

UHF FM Transceiver

VX-4200 Series

VX-4100 Series

Service Manual

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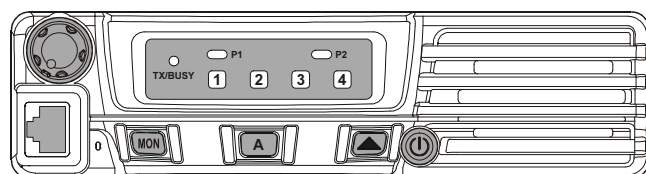
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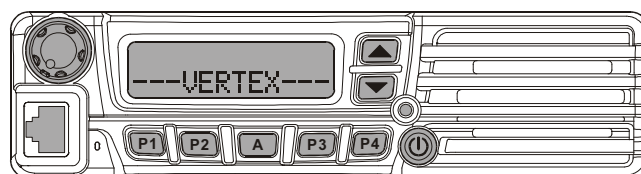
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VX-4100 Series



VX-4200 Series

Introduction

This manual provides the technical information necessary for servicing the **VX-4200/-4100 Series** Mobile Transceiver.

Servicing this equipment requires expertise in handling surface-mount chip components. Attempts by non-qualified persons to service this equipment may result in permanent damage not covered by the warranty, and may be illegal in some countries.

Two PCB layout diagrams are provided for each double-sided board in this transceiver. Each side of the board is referred to by the type of the majority of components installed on that side ("Side A" or "Side B"). In most cases one side has only chip components (surface-mount devices), and the other has either a mixture of both chip and leaded components (trimmers, coils, electrolytic capacitors, ICs, etc.), or leaded components only.

As described in the pages to follow, the advanced microprocessor design of the **VX-4200/-4100** allows a complete alignment of this transceiver to be performed without opening the case of the radio; all adjustments can be performed from the personal computer, using with the Vertex Standard VPL-1 Programming Cable and CE59 Software.

While we believe the information in this manual to be correct, Vertex Standard assumes no liability for damage that may occur as a result of typographical or other errors that may be present. Your cooperation in pointing out any inconsistencies in the technical information would be appreciated.

Contents

| | |
|--|------------|
| Specifications | A-1 |
| DSUB 15-pin Accessory Connector | B-1 |
| Exploded View & Miscellaneous Parts | C-1 |
| Block Diagram | D-1 |
| Circuit Description | E-1 |
| Alignment | F-1 |
| Installation of Option | G-1 |

Board Units (Schematics, Layouts & Parts)

| | |
|-------------------------------------|------------|
| RF Unit | H-1 |
| FRONT-C Unit (VX-4100) | I-1 |
| FRONT-D Unit (VX-4200) | J-1 |

Optional Units (Schematics, Layouts & Parts)

| | |
|--|------------|
| FVP-25 Encryption/DTMF Pager Unit | K-1 |
| DVS-5 Voice Storage Unit | L-1 |
| VTP-50 VX-Trunk Unit | M-1 |

Specifications

General Specifications

| | |
|------------------------------|--|
| Frequency Ranges: | 400 - 470 MHz |
| Number of Groups: | 450 - 520 MHz |
| Number of Channels: | 1 / 32 |
| Channel Spacing: | 8 / 500 channels |
| PLL Stepping: | 12.5 / 20 / 25 kHz |
| Operation voltage: | 5/6.25 kHz |
| Current drain Standby: | 10.8 - 15.6 VDC |
| Receive: | 0.3 A |
| Transmit: | 2.5 A |
| Operating Temperature range: | 11 A (50 W) / 6.0 A (2??5 W/EN) |
| Frequency Stability: | -22°F to 140°F (-30°C to +60°C) |
| Dimensions (WxHxD): | Better than ± 2.0ppm |
| Weight: | 6.5" x 1.7" x 6.1" (165mm x 43mm x 155mm) 3.1 lbs. (1.4 kg) |

Receiver Specifications

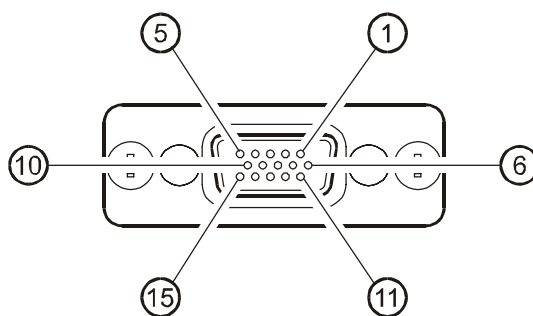
| | |
|--|--|
| Sensitivity EIA 12dB SINAD | 0.25 µV |
| EN 20dB SINAD | -4 dB µV / -2 dB µV |
| Adjacent Channel Selectivity EIA (W/N) | 80 / 70 dB |
| EN (W/N) | 75 / 65 dB |
| Intermodulation EIA (W/N) | 80 / 75 dB |
| EN | 70 dB |
| Spurious response Rejection EIA | 80 dB |
| EN | 80 dB |
| Audio output: | Internal: 4W @ 32 ohms 3% THD 5W 8ohms 3% THD External: 12W @ 4 ohms 3% THD |
| Spurious Radiations: | -57 dBm |

Transmitter Specifications

| | |
|--|------------------------------------|
| RF power output | 45W |
| Maximum Frequency Deviation (12.5/20/25kHz) | ±2.5/±4.5/±5.0 kHz |
| FM noise (W/N) | 50 / 45 dB |
| Audio distortion | Less than 3% @ 1kHz |
| Spurious Emissions (EN) | -36 dBm < 1 GHz -30 dBm > 1 GHz |

Measurements per (EIA: TIA/EIA-603, EN:EN 300 086) standards unless noted above.Specifications subject to change without notice or obligation.

DSUB 15-pin Accessory Connector



Pin 1: AF IN (ANALOG INPUT)

External Microphone Input. Nominal input level is 6 mV at 600-ohm.

Pin 2: AF OUT (ANALOG OUTPUT)

Low-level receiver output. Peak signal level is 150 mV at 600-ohm.

Pin 3: AF GND

Ground for all logic levels and power supply return.

Pin 4: DC OUT (13.6 V DC OUTPUT)

Switched 13.6V output for supplying power to an accessory.

Pin 5: RSSI (ANALOG OUTPUT)

A DC voltage proportional to the strength of the signal currently being received (Receiver Signal Strength Indicator) is provided on this pin. This low impedance output is generated by the receiver IF sub-system and buffered by an internal op-amp. Typical output voltages are 1 V (@No Signal Input) through 2.0 V (@50 dB Signal Input).

Pin 6: EXT PTT

Shorting this port to ground causes the transceiver to be placed in the Transmit mode, while opening the connection to this port returns the transceiver to the Receive mode. Opening voltage is 5 V, closed current approx. 5 mA.

Pin 7: TRX

This port is intended for controlling an external TX/RX switching circuit. When the transceiver is placed in the the Receiver mode, this port is 5 V. When the transceiver is placed in the the Transmit mode, this port reduse to 0 V.

Pin 8: ING (IGNITION SENSE FEATURE)

The VX-4100/-4200 may be automatically be switched to the STND-BY mode when the vehicle's ignition key is turned on. Maximum current is 20 mA.

Pin 9 - 12: ACC1 - ACC4 (ACCESSORY PORT)

These output port features can be programmed via the CE59 programmer. Each port is open collector output which can sink approx. 30 mA when active.

Pin 13: Not Used

Pin 14: Not Used

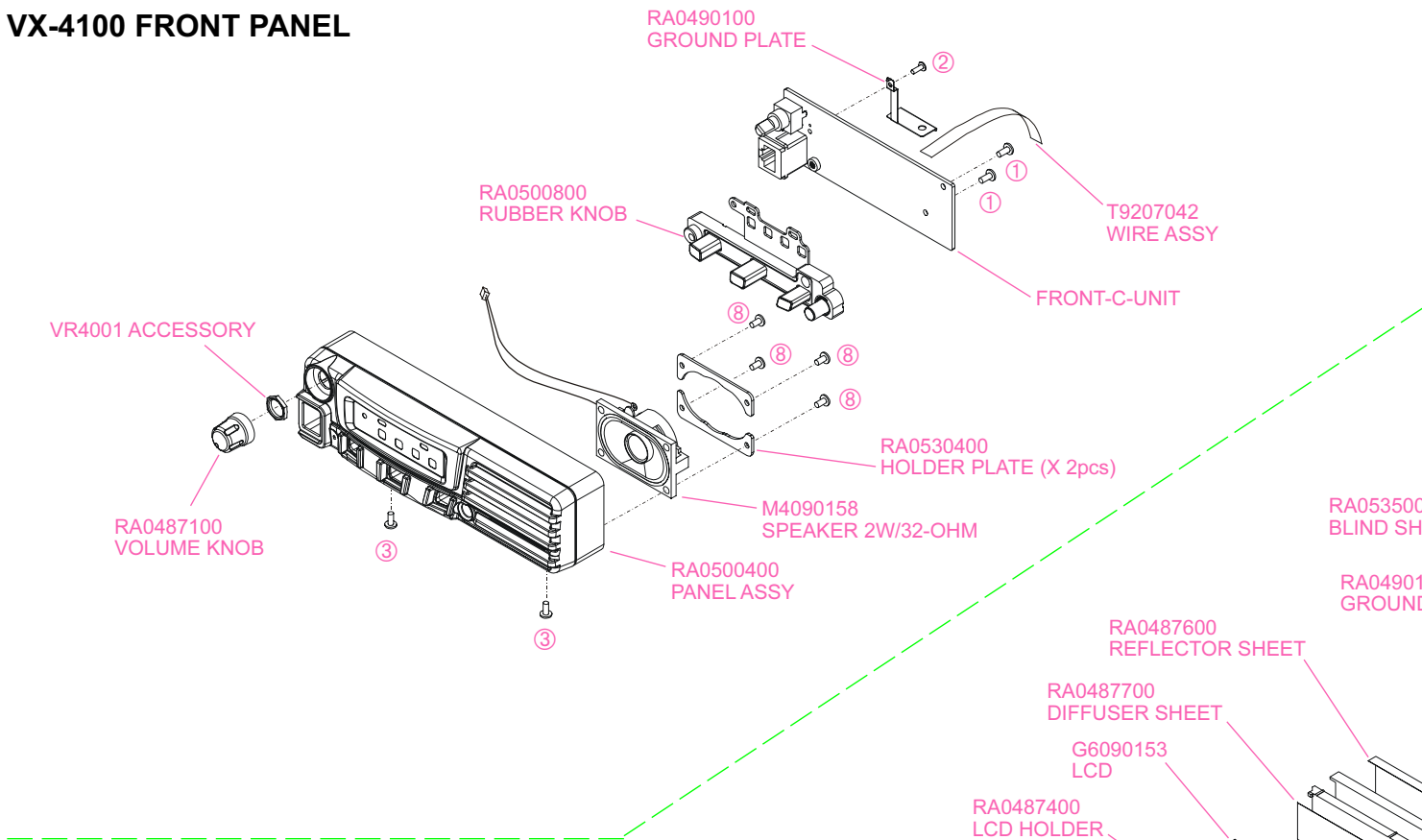
Pin 15: GND

Chassis ground

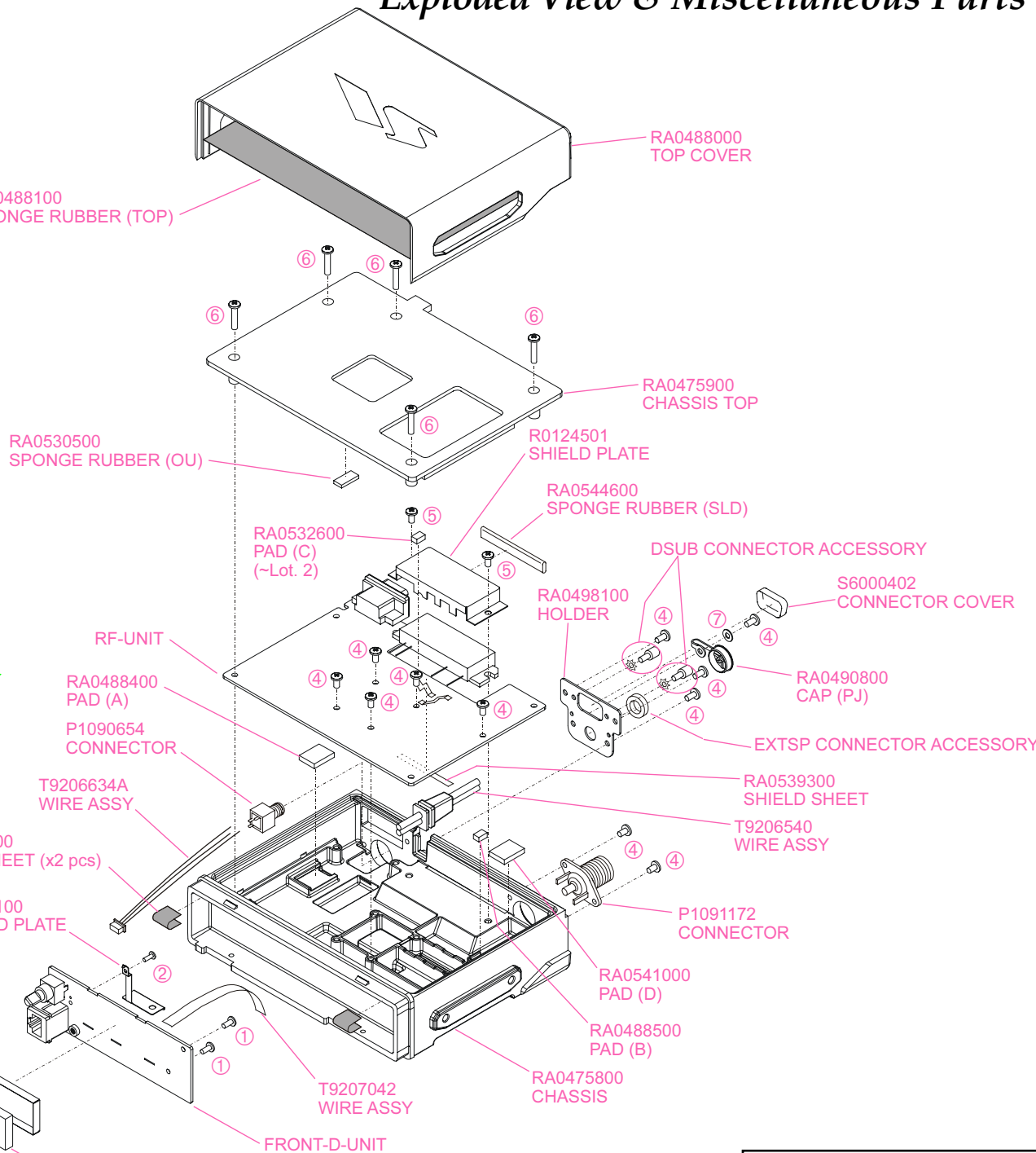
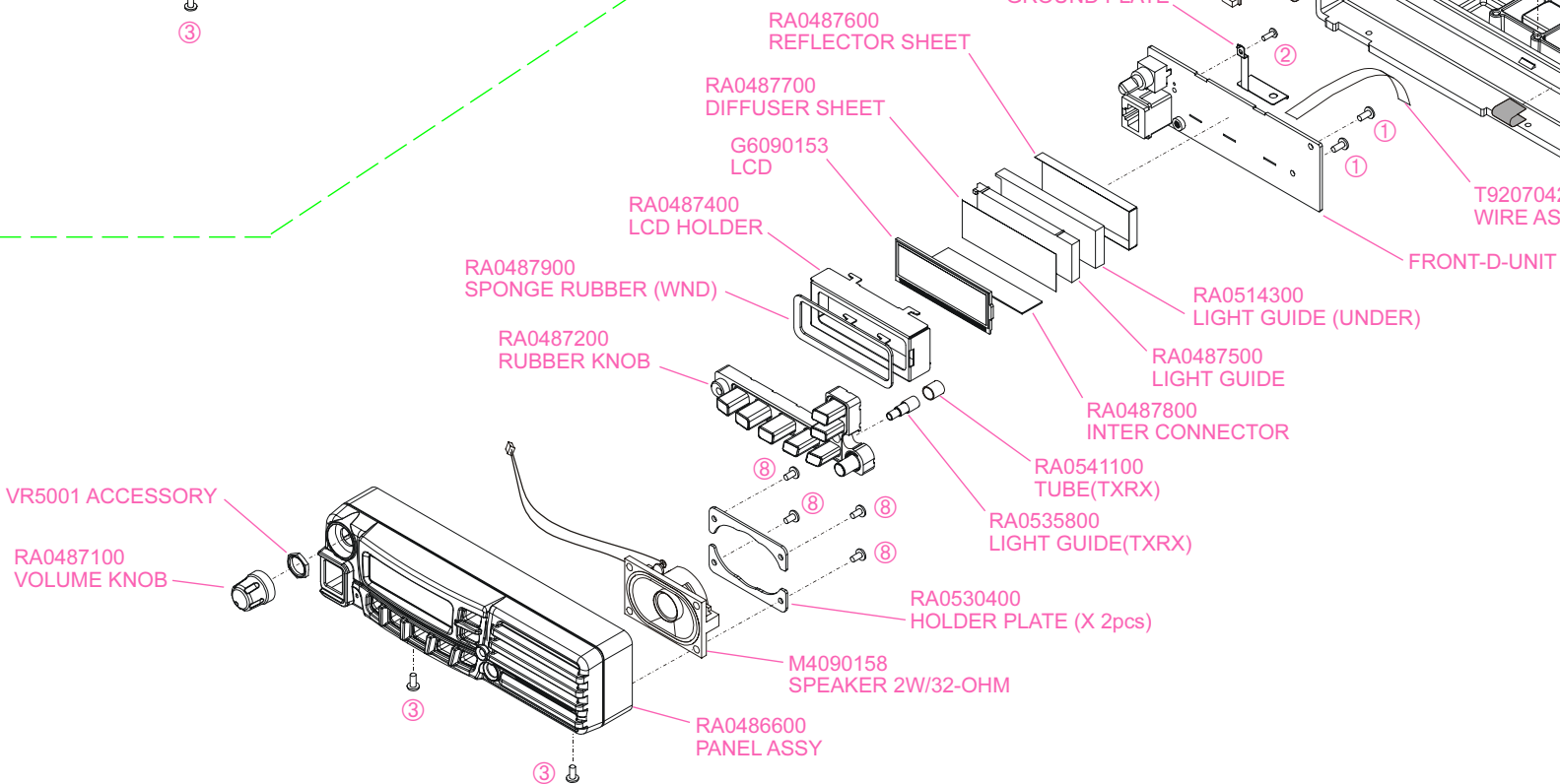
Note

Exploded View & Miscellaneous Parts (Lot. 1~5)

VX-4100 FRONT PANEL



VX-4200 FRONT PANEL

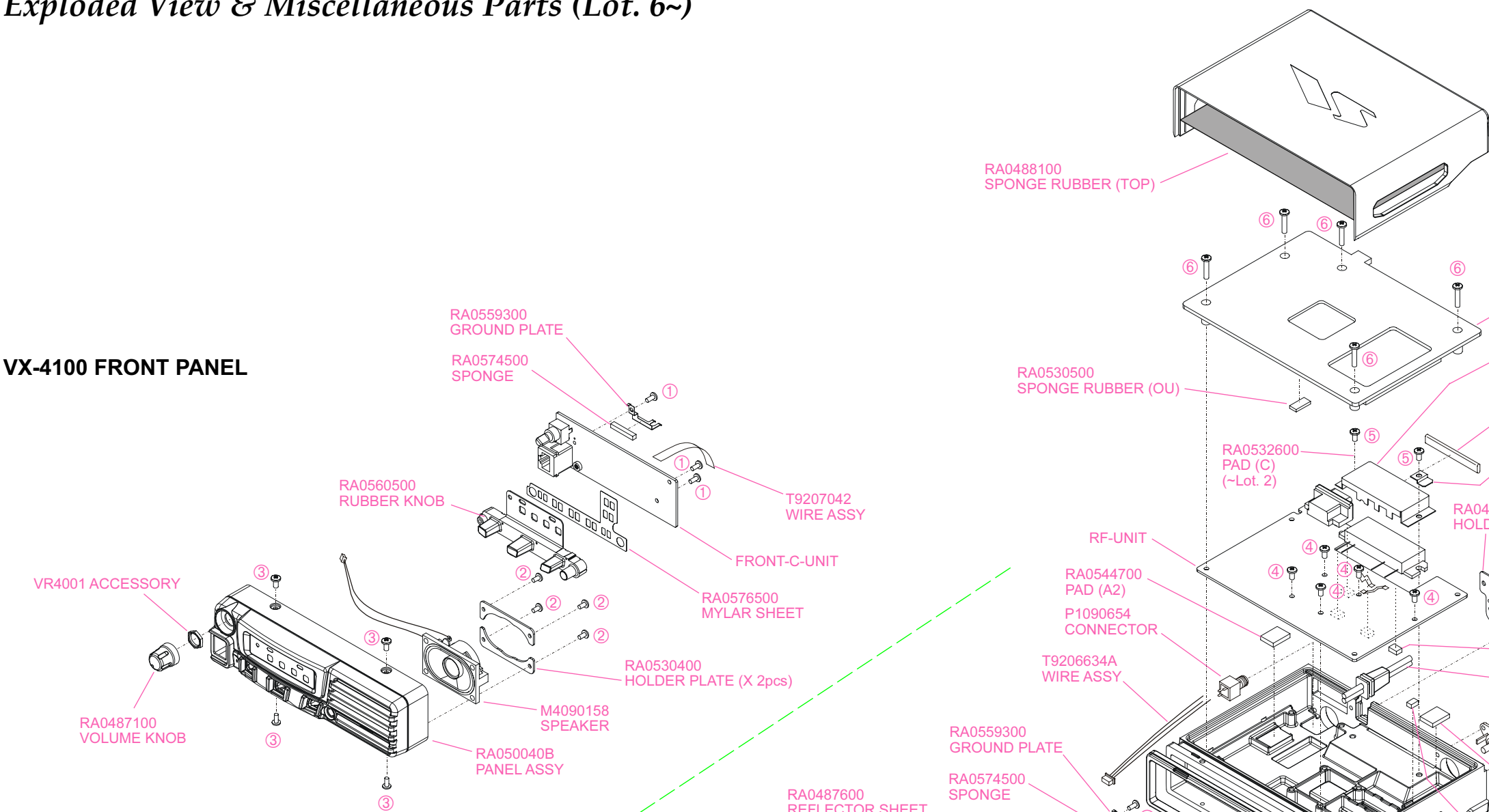


| SUPPLIED ACCESSORIES | | |
|----------------------|---------------------------------------|------|
| VXSTD P/N | DESCRIPTION | QTY. |
| Q0000075 | BLADE FUSE ATC 15A | 2 |
| A06260004 | MICROPHONE MH-25A8J (VTX) W/ NEW CLIP | 1 |
| T9021015 | DC CABLE | 1 |

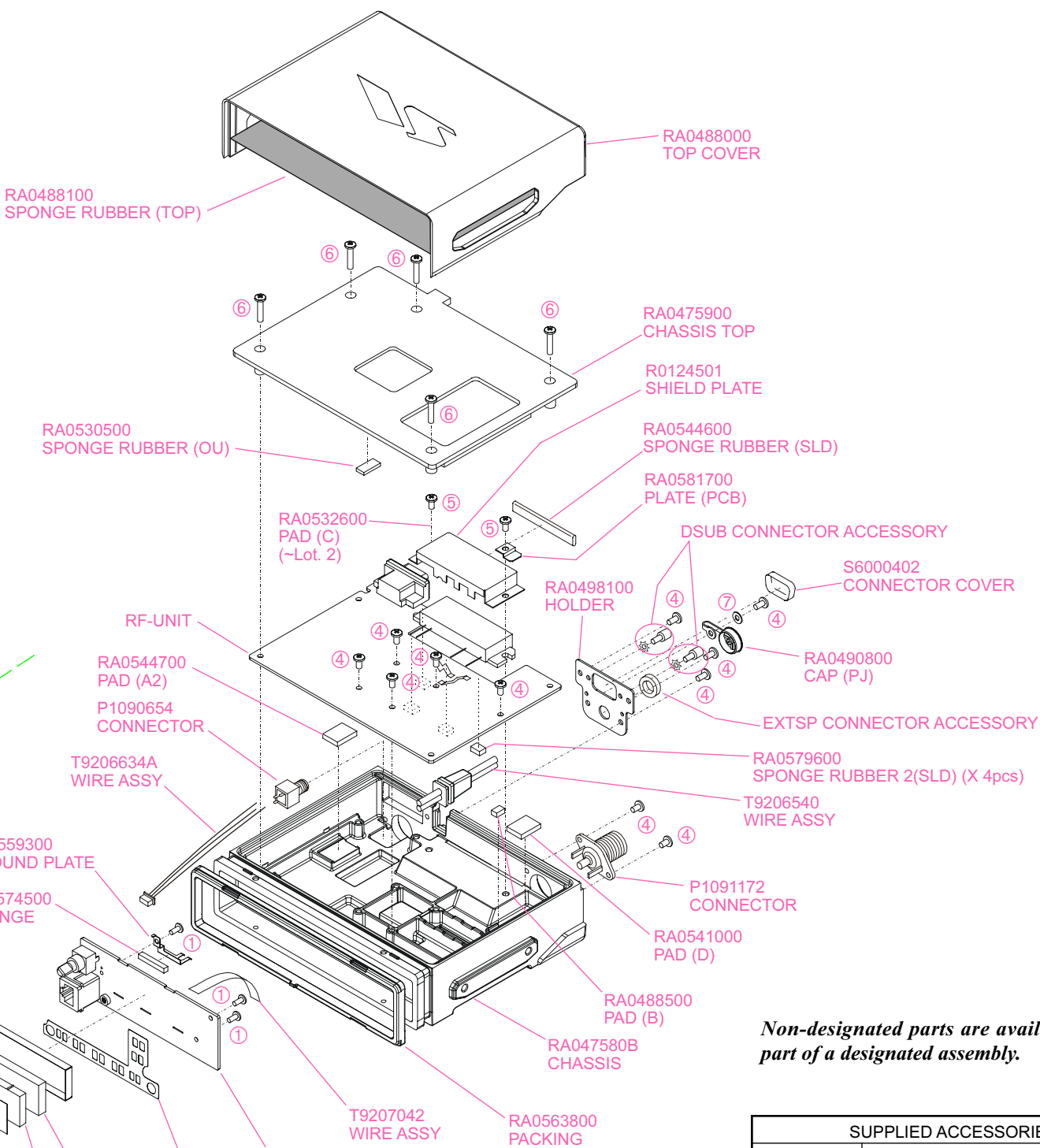
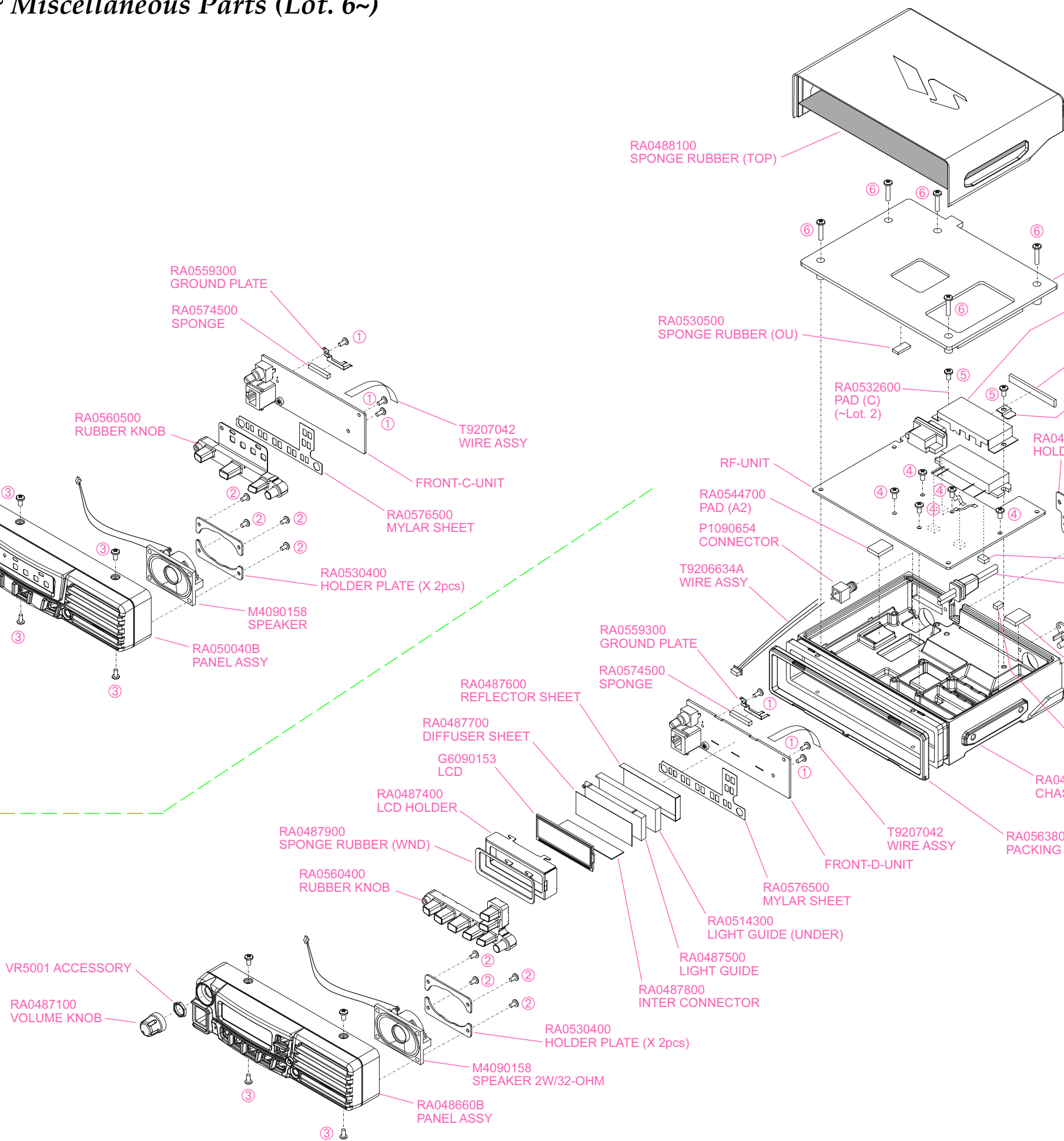
| No. | VXSTD P/N | DESCRIPTION | QTY. |
|-----|-----------|----------------------------|------|
| ① | U23206001 | TAPTITE SCREW M2.6X6 | 2 |
| ② | U23106001 | TAPTITE SCREW M2X6 | 1 |
| ③ | U20205007 | BINDING HEAD SCREW M2.6X5B | 2 |
| ④ | U24306002 | TAPTITE SCREW M3X6NI | 11 |
| ⑤ | U02308002 | SEMS SCREW SM3X8NI | 2 |
| ⑥ | U24316001 | TAPTITE SCREW M3X16 | 5 |
| ⑦ | U70003020 | PLAIN WASHER FW3SUS | 1 |
| ⑧ | U24208001 | TAPTITE SCREW M2.6X8 | 4 |

Exploded View & Miscellaneous Parts (Lot. 6~)

VX-4100 FRONT PANEL



VX-4200 FRONT PANEL



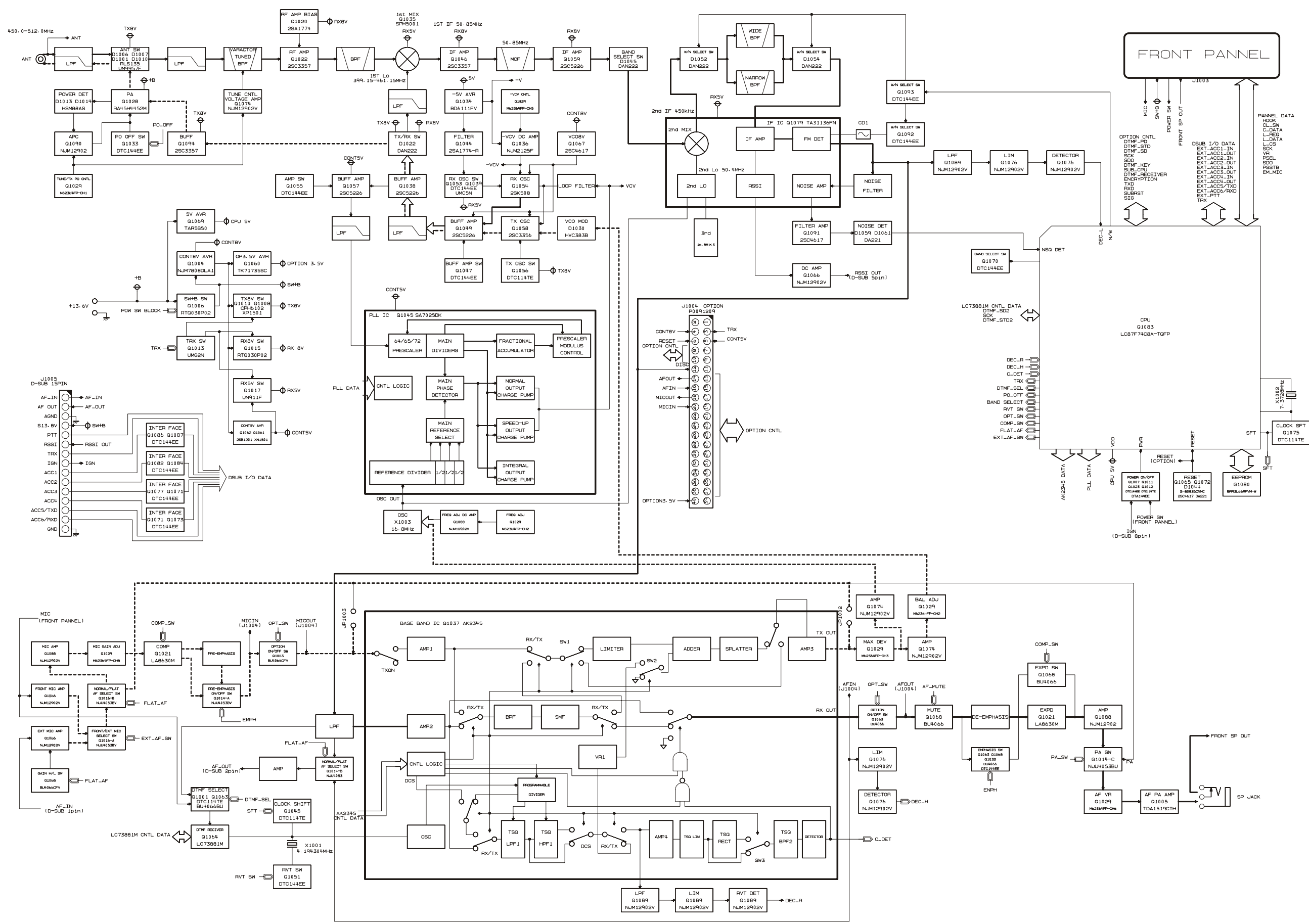
Non-designated parts are available only as part of a designated assembly.

| SUPPLIED ACCESSORIES | | |
|----------------------|---------------------------------------|------|
| VXSTD P/N | DESCRIPTION | QTY. |
| Q0000075 | BLADE FUSE ATC 15A | 2 |
| A06260004 | MICROPHONE MH-25A8J (VTX) W/ NEW CLIP | 1 |
| T9021015 | DC CABLE | 1 |

| No. | VXSTD P/N | DESCRIPTION | QTY. |
|-----|-----------|----------------------------|------|
| ① | U23206001 | TAPTITE SCREW M2.6X6 | 3 |
| ② | U24209001 | TAPTITE SCREW M2.6X9 | 4 |
| ③ | U20205007 | BINDING HEAD SCREW M2.6X5B | 4 |
| ④ | U24306002 | TAPTITE SCREW M3X6NI | 11 |
| ⑤ | U02308002 | SEMS SCREW SM3X8NI | 2 |
| ⑥ | U24316001 | TAPTITE SCREW M3X16 | 5 |
| ⑦ | U70003020 | PLAIN WASHER FW3SUS | 1 |

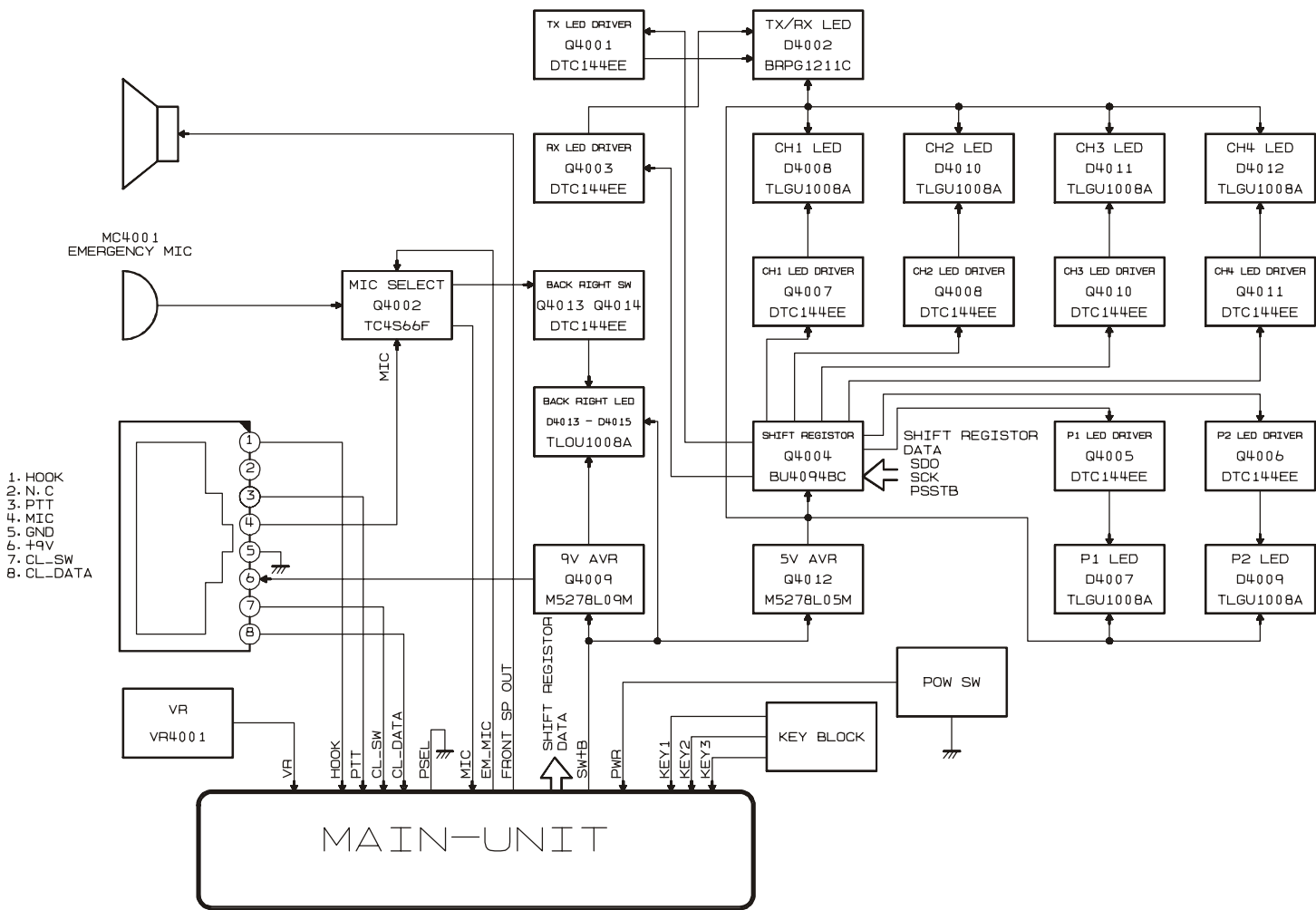
Block Diagram

RF Unit

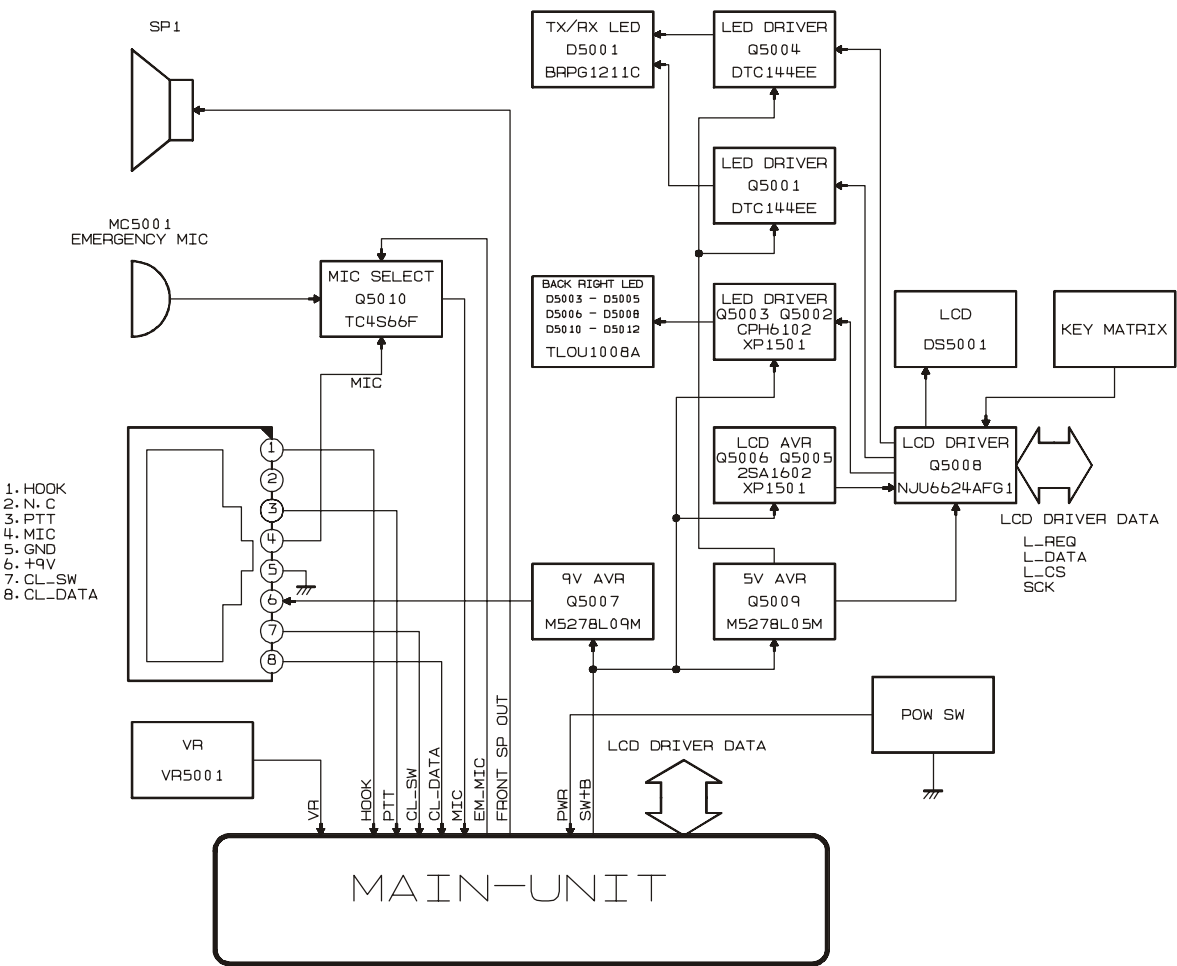


Block Diagram

FRONT-C Unit (VX-4100)



FRONT-D Unit (VX-4200)



1. Circuit Configuration by Frequency

The receiver is a double-conversion superheterodyne with a 1st intermediate frequency (IF) of 50.85 MHz and a 2nd IF of 450 kHz. Incoming signal from the antenna is mixed with the local signal from the VCO/PLL to produce the 1st IF of 50.85 MHz. This is then mixed with the 50.4 MHz 2nd local oscillator output to produce the 450 kHz 2nd IF. This is detected to give the demodulated signal. The transmit signal frequency is generated by the PLL VCO, and modulated by the signal from the microphone. It is then amplified and sent to the antenna.

2. Receiver System

2-1. Front-end RF amplifier

Incoming FR signal from the antenna is delivered to the RF Unit and passes through Low-pass filter, antenna switching diode **D1001 (UM9957F)**, and removed undesired frequencies by varactor tuned band-pass filter consisting of capacitors C1041, C1045, C1057, C1058, C1065, C1083, C1091, coils L1048, L1049 and diode **D1003, D1004 (Both 1SV279)**. The passed signal is amplified by RF amplifier **Q1022 (2SC3357)**, then moreover cuts an image frequency with the other varactor tuned band-pass filter consisting of capacitors C1359, C1360, C1361, C1369, C1387, C1389, C1398 coils L1010, L1011 and diode **D1008, D1009 (Both 1SV279)**. The filtered RF signal delivery to the 1st mixer. The **Q1020 (2SA1774)** controls bias of **Q1022 (2SC3357)**.

2-2. First Mixer

The 1st mixer consists of the **Q1035 (SPM5001)**, T1004, T1005 and T1006. Buffered output from the VCO is amplified by **Q1038 (2SC5226)** to provide a pure 1st local signal between 399.15 and 461.15 MHz for injection to the 1st mixer. The output IF signal is amplified by **Q1046 (2SC3357)**, then passes through monolithic crystal filter **XF1001 (±5.5 kHz BW)** to strip away all but the desired signal.

2-3. IF Amplifier

The filtered 1st IF signal is amplified by **Q1059 (2SC5226)**. The amplified 1st IF signal is applied to FM IF subsystem IC **Q1079 (TA31136FN)** which contains the second mixer, second local oscillator, limiter amplifier, and noise amplifier. The signal from reference oscillator **X1003 (16.8 MHz)** becomes 3 times of frequencies in **Q1079 (TA31136FN)**, it is mixed with the IF signal and becomes 2nd IF signal. The 2nd IF signal passes through the ceramic filter **CF1001 (for wide channels)**, **CF1002 (for narrow channels)** to strip away unwanted mixer products, and is applied to the limiter amplifier in **Q1091 (2SC4617)**, which removes amplitude variations in the 2nd IF signal, before detection of the speech by the ceramic discriminator **CD1001**.

2-4. Audio amplifier

Detected signal from **Q1079 (TA31136FN)** is delivered to **Q1037 (AK2345)** and is output through the band path filter inside **Q1037 (AK2345)**. When the optional unit is installed, the **Q1063 (BU4066BCFV)** is made to “OFF” and the AF signal from **Q1037 (AK2345)** goes the optional unit. When the optional unit is not installed, **Q1037 (AK2345)** is made to “ON” and the signal goes through **Q1063 (BU4066BCFV)**. The AF signal then goes through AF mute switch **Q1068 (BU4066BCFV)**, de-emphasis part and expander **Q1021 (LA8630M)**. When the function of expander is off, the **Q1021 (LA8630M)** will be bypassed by **Q1069 (TAR5S50)**. The output signal of expander (or a signal from de-emphasis) is amplified by **Q1066 (NJM12902V)** and it is amplified with AF power amplifier **Q1005 (TDA1519CTH)** after passing AF volume **Q1029 (M62364FP)**. The output from **Q1005 (TDA1519CTH)** drives a speaker (it chooses the external speaker or internal speaker in J6001).

2-5. Squelch Circuit

There are 13 levels of squelch setting from "0" to "12." The level "0" means open the squelch. The level "1" means the threshold setting level and level "11" means tight squelch. From "2" to "10" is established in the middle of threshold and tight. The bigger figure is nearer the tight setting. The level "12" becomes setting of carrier squelch.

2-5-1. Noise Squelch

Noise squelch circuit is composed of the band-path filter of **Q1079 (TA31136FN)**, noise amplifier **Q1091 (2SC4617)**, and noise detector **D1059** and **D1061 (both DA221)**. When a carrier isn't received, the noise ingredient which goes out of the demodulator **Q1079 (TA31136FN)** is amplified in **Q1091 (2SC4617)** through the band path filter **Q1079 (TA31136FN)**, is detected to DC voltage with **D1059** and **D1061 (both DA221)** and is inputted to pin 19 (A/D port) of the **Q1083 (CPU: LC87F74C8A)**. When a carrier is received, the DC voltage becomes “LOW” because the noise is compressed. When the detected voltage to CPU is “HIGH,” the CPU stops AF output with **Q1068 (BU4066BCFV)** “OFF” by making the 40pin “LOW” level. When the detection voltage is low, the CPU makes **Q1068** “ON” with making pin 40 to “HIGH” and the AF signal is output.

2-5-2. Carrier Squelch

The pin 18 (A/D port) of **Q1083 (CPU: LC87F74C8A)** detect RSSI voltage output from pin 12 of **Q1079 (TA31136FN)**, and controls AF output. The RSSI output voltage changes according to the signal strength of carrier. The stronger signal makes the RSSI voltage to be higher voltage. The process of the AF signal control is same as Noise Squelch. The shipping data is adjusted 3dB higher than squelch tight sensitivity.

Circuit Description

3. Transmitter System

3-1. Mic Amplifier

The AF signal from microphone jack J4001 (VX-4100 series) or J5001 (VX-4200 series) is amplified with microphone amplifier **Q1066 (NJM12902V)**, is amplified with 2nd microphone amplifier **Q1088 (NJM12902V)** after microphone selection switch **Q1016 (NJU4053BV)**, and passes microphone gain controller **Q1029 (M62364FP)**. The AF signal which was controlled in the correct gain passes compandor **Q1021 (LA8630M)**. When does not using a compandor, with the control from the CPU, it passes in the compandor circuit inside of **Q1021 (LA8630M)** and it is output and it passes a pre-emphasis circuit. **Q1063 (BU4066BCFV)** becomes “OFF” when an optional unit is attached and the AF signal from **Q1037 (AK2345)** goes via the optional unit. When an optional unit isn’t attached, **Q1063 (BU4066BCFV)** becomes “ON,” the signal passes **Q1063 (BU4066BCFV)** and is input to **Q1037 (AK2345)**. The signal passed limiter and splatter filter of **Q1037 (AK2345)**, then adjust the maximum deviation by the microphone gain controller **Q1029 (M62364FP)**. The adjusted low frequency signal ingredient is amplified by **Q1074 (NJM12902V)**, added modulation terminal of TCXO (**X1003**), the FM modulation is made by reference oscillator. The high frequency signal ingredient is amplified **Q1074 (NJM12902V)**, and adjusted the level by volume **Q1029 (M62364FP)** to make frequency balance between low frequency. After that, it is made FM modulation to transmit carrier by the modulator **D1030 (HVC383B)** of VCO.

3-2. Drive and Final amplifier

The modulated signal from the VCO **Q1054 (2SK508)** is buffered by **Q1049 (2SC5226)** and amplified by **Q1038** and **Q1094** (both **2SC5226**). The low-level transmit signal is then applied to the Power Module **Q1028 (RA45H4452M)** for final amplification up to 45 watts output power. The transmit signal then passes through the antenna switch **D1005** and **1006** (Both **UM9957F**) and is low-pass filtered to suppress away harmonic spurious radiation before delivery to the antenna.

3-3. Automatic Transmit Power Control

The output power of Power Module is detected by CM coupler, it is detected by **D1013** and **D1014** (both **HSM88AS**) and is input to comparator **Q1095 (NJM12902V)**. The comparator compares two different voltages and makes output power stable by controlling the bias voltage of Power Module. There are 3 levels of output power (Hi, Mid, and Lo), it is switched by the voltage of **Q1029-1 (M62364FP)**.

3-4. PLL Frequency Synthesizer

The frequency synthesizer consists of PLL IC **Q1085 (SA7025DK)**, RX VCO **Q1054 (2SK508)**, TCXO (**X1003**), and buffer amplifier. The output frequency from TCXO is 16.8 MHz and the tolerance is ± 2.5 ppm (in the temperature range -30 to +60 degrees).

3-4-1. VCO

While the radio is receiving, the RX oscillator **Q1054 (2SK508)** in VCO generates a programmed frequency between 399.15 and 461.15 MHz as 1st local signal. While the radio is transmitting, the TX oscillator **Q1058 (2SC3356)** in VCO generates a frequency between 450 and 512 MHz. The output from oscillator is amplified by buffer amplifier **Q1049 (2SC5226)** and becomes output of VCO. The output from VCO is divided, one is amplified by **Q1057 (2SC5226)** and feed back to pin 5 of the PLL IC **Q1085 (SA7025DK)**. The other is amplified in **Q1038 (2SC5226)** and in case of the reception, it is put into the mixer as the 1st local signal through **D1022 (DA221)**, in transmission, it is amplified in **Q1038 (2SC5226)**, and more amplified in **Q1094 (2SC3357)** through **D1022 (DA221)** and it is put the input terminal of the Power Module **Q1028 (RA45H4452M)**.

3-4-2. VCV CNTL

Tuning voltage (VCV) of VCO is expanding the lock range of VCO by controlling the anode of varactor diode at the negative voltage and the control voltage from PLL IC **Q1085 (SA7025DK)**. The negative voltage is added to the varactor diode after converted to negative by **Q1035 (SPM5001)**, which is output voltage of D/A converter **Q1029 (M62364FP)**.

3-4-3. PLL

The PLL IC **Q1085 (SA7025DK)** consists of reference divider, main divider, phase detector, charge pumps and fractional accumulator. The reference frequency from TCXO is inputted to pin 8 of PLL IC **Q1085 (SA7025DK)** and is divided by reference divider. This IC is decimal point dividing PLL IC **Q1085 (SA7025DK)** and the dividing ratio becomes 1/8 of usual PLL frequency step. Therefore, the output of reference divider is 8 times of frequencies of the channel step. For example, when the channel stepping is 5 kHz, the output of reference divider becomes 40 kHz. The other hand, inputted feed back signal to pin 5 of PLL IC **Q1085 (SA7025DK)** from VCO is divided with the dividing ratio which becomes same frequency as the output of reference divider. These two signals are compared by phase detector, the phase difference pulse is generated. The phase difference pulse and the pulse from fractional accumulator pass through the charge pumps and LPF. It becomes the DC voltage (VCV) to control the VCO. The oscillation frequency of VCO is locked by the control of this DC voltage. The PLL serial data from CPU **Q1083 (LC87F74C8A)** is sent with three lines of SDO (pin 2), SCK (pin 1) and PSTB (pin 3). The lock condition of PLL is output from the UL (pin 18) terminal and UL becomes “H” at the time of the lock condition and becomes “L” at the time of the unlocked condition. The CPU **Q1083 (LC87F74C8A)** always watches over the UL condition, and when it becomes “L” unlocked condition, the CPU **Q1083 (LC87F74C8A)** prohibits transmitting and receiving.

Introduction

The **VX-4100/-4200** series has been aligned at the factory for the specified performance across the entire frequency range specified. Realignment should therefore not be necessary except in the event of a component failure. All component replacement and service should be performed only by an authorized Vertex Standard representative, or the warranty policy may be voided.

The following procedures cover the sometimes critical and tedious adjustments that are not normally required once the transceiver has left the factory. However, if damage occurs and some parts are replaced, realignment may be required. If a sudden problem occurs during normal operation, it is likely due to component failure; realignment should not be done until after the faulty component has been replaced.

We recommend that servicing be performed only by authorized Vertex Standard service technicians who are experienced with the circuitry and fully equipped for repair and alignment. Therefore, if a fault is suspected, contact the dealer from whom the transceiver was purchased for instructions regarding repair. Authorized Vertex Standard service technicians realign all circuits and make complete performance checks to ensure compliance with factory specifications after replacing any faulty components. Those who do undertake any of the following alignments are cautioned to proceed at their own risk. Problems caused by unauthorized attempts at realignment are not covered by the warranty policy. Also, Vertex Standard must reserve the right to change circuits and alignment procedures in the interest of improved performance, without notifying owners. Under no circumstances should any alignment be attempted unless the normal function and operation of the transceiver are clearly understood, the cause of the malfunction has been clearly pinpointed and any faulty components replaced, and the need for realignment determined to be absolutely necessary. The following test equipment (and thorough familiarity with its correct use) is necessary for complete realignment. Correction of problems caused by misalignment resulting from use of improper test equipment is not covered under the warranty policy. While most steps do not require all of the equipment listed, the interactions of some adjustments may require that more complex adjustments be performed afterwards. Do not attempt to perform only a single step unless it is clearly isolated electrically from all other steps. Have all test equipment ready before beginning, and follow all of the steps in a section in the order presented.

Required Test Equipment

- ☐ Radio Tester with calibrated output level at 1 GHz
- ☐ In-line Wattmeter with 5% accuracy at 1 GHz
- ☐ 50-ohm, 50-W RF Dummy Load
- ☐ Regulated DC Power Supply (standard 13.6V DC, 15A)
- ☐ Frequency Counter: ± 0.2 ppm accuracy at 1 GHz
- ☐ AF Signal Generator
- ☐ AC Voltmeter
- ☐ DC Voltmeter
- ☐ VHF Sampling Coupler
- ☐ Microsoft® Windows® 95 or later operating system
- ☐ Vertex Standard VPL-1 Connection Cable and CE59 Alignment program

Alignment Preparation & Precautions

A 50-ohm RF Dummy load and in-line wattmeter must be connected to the main antenna jack in all procedures that call for transmission, except where specified otherwise. Correct alignment is not possible with an antenna.

Beacuse of the BTL (**B**ridged **T**rans**L**ess) Amplifier circuit used in the VX-4200/-4100, do not connect eather side of the speaker leads to chassis "ground."

After completing one step, read the following step to determine whether the same test equipment will be required. If not, remove the test equipment (except dummy load and wattmeter, if connected) before proceeding.

Correct alignment requires that the ambient temperature be the same as that of the transceiver and test equipment, and that this temperature be held constant between 20 °C and 30 °C (68 °F ~ 86 °F). When the transceiver is brought into the shop from hot or cold air, it should be allowed time to come to room temperature before alignment.

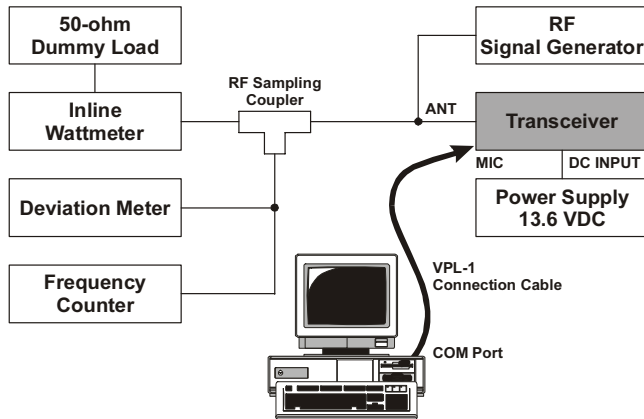
Whenever possible, alignments should be made with oscillator shields and circuit boards firmly affixed in place. Also, the test equipment must be thoroughly warmed up before beginning.

Note: Signal levels in dB referred to in this procedure are based on 0 dB μ EMF = 1.0 μ V.

Alignment

Test Setup

Setup the test equipment as shown for transceiver alignment, apply 13.6V DC power to the transceiver. Refer to the drawings above for Alignment Points.



The transceiver must be programmed for use in the intended system before alignment is attempted. The RF parameters are loaded from the file during the alignment process.

In order to facilitate alignment over the complete switching range of the equipment it is recommended that the channel data in the transceiver is preset as the chart below.

| CHANNELS | FREQUENCY (SIMPLEX) | |
|-----------|---------------------|-------------|
| | Ver. D | Ver. A |
| Band-LOW | 450.100 MHz | 400.100 MHz |
| Band-MID | 480.100 MHz | 435.100 MHz |
| Band-HIGH | 511.900 MHz | 469.900 MHz |

The alignment mode is accessed by "Alignment mode" command from the computer whilst switching on. And the alignment tool operates it automatically.

During the alignment mode, normal operation is suspended. Use the alignment tool program running on PC.

The Alignment Tool Outline

Installation the tool

Install the CE59 (Clone Editor) to your PC.

The re-alignment for VX-4200/-4100 series may use the "Alignment" menu of CE59.

Action of the switches

When the transceiver is in alignment mode, the action of PTT and KEY is ignored. All of the action is remote controlled by PC.

Basic sequence

The data displayed in screen of this tool is temporary data, and there is fear that the consistence of the displayed data and the data in the transceiver is failure when you do not keep the sequence which is specified below.

1. Enter the alignment mode
2. Data upload
3. Align data
4. Data download

When finish the alignment one parameter, the tool ask you "Update this data?" If you select "Yes," the temporary data is updated. If you select "Yes," the tool downloaded data to the transceiver.

Menu of the Tool (BASIC ALIGNMENT)

In the Basic Alignment mode, the aligned data written in the radio will be able to re-align its alignment data. In this mode, there are many items to align with three point (low edge, center and high edge) except "VCO," "RX Tune" and "Mod Balance." The value of each parameter can be changed to desired position by "←" / "→" arrow key for up/down, direct number input and drag the mouse.

To enter the Basic Alignment Mode, select "Basic Alignment" in the main menu "Radio." It will start to "Upload" the written personalized data from the radio and to "Download" alignment data to the radio. Then pressing the button "OK" will start the Basic Alignment Mode.

Note; when all items are aligned, it is strongly recommended to align according to following order. The detail information is written in the help of CE59 (Clone Editor).

1. RX VCO Tune Voltage (RX VCO)
2. TX VCO Tune Voltage (TX VCO)
3. PLL Reference Frequency (Frequency)
4. RX Sensitivity (RX Tune)
5. Squelch (SQL)
6. TX Power
7. Modulation Balance <Wide>
8. Modulation Balance <Narrow>
9. Maximum Deviation <Wide>
10. Maximum Deviation <Narrow>
11. Sub-Audio (CTCSS/DCS) Deviation

Installation of Option

FVP-25/FVP-35/DVS-5/VTP-50

The **FVP-25** is an Encryption/DTMF Paging Unit which permits secure voice communications with station within your network, while preventing others from listening using normal communications equipment. It allows paging, and enables selective calling using DTMF tone sequences.

The **FVP-35** is an Rolling Code Encryption Unit which permits secure voice communications with station within your network, while preventing others from listening using normal communications equipment.

The **DVS-5** is a Voice Storage Unit which allows you to record and play back incoming receiver audio.

The **VTP-50** is a module which provides a complete multi-channel digital-access radio trunking system.

Each optional Unit is easily programmed the configurations using a Vertex CE59 programmer with an IBM PC-compatible computer.

1. Disconnect the DC power cable.
2. Grasp the Top Case Cover with both hands, Lift up the Top Case Cover to remove while spread both side of the Top Case Cover.
3. Referring to Figure 1, remove the five screws affixing the Top Cover, then remove the top cover.
4. Referring to Figure 2, locate the empty connector for the Optional Unit, connect the Optional Unit here.
5. Replace the Top Cover and five screws removed in the first step, then replace the Top Case Cover. Installation is now complete.

Do not install all Optional Unit at once

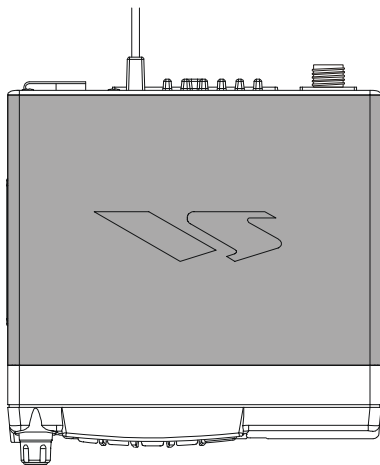


Figure 1

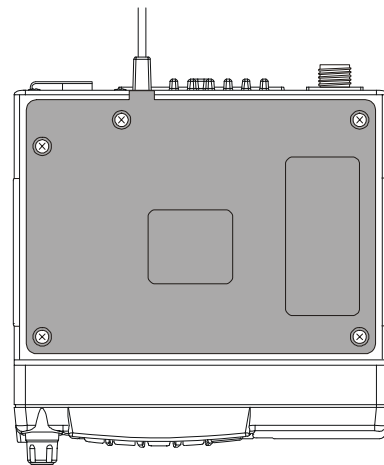


Figure 2

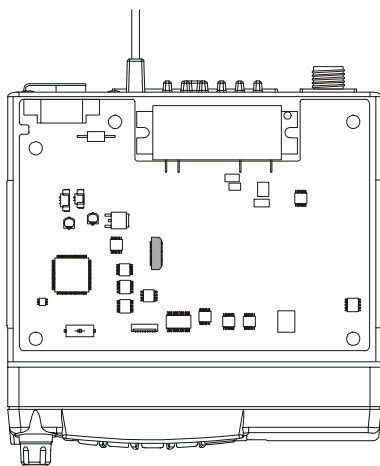


Figure 3

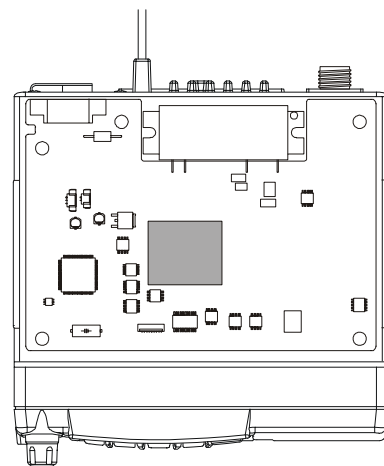
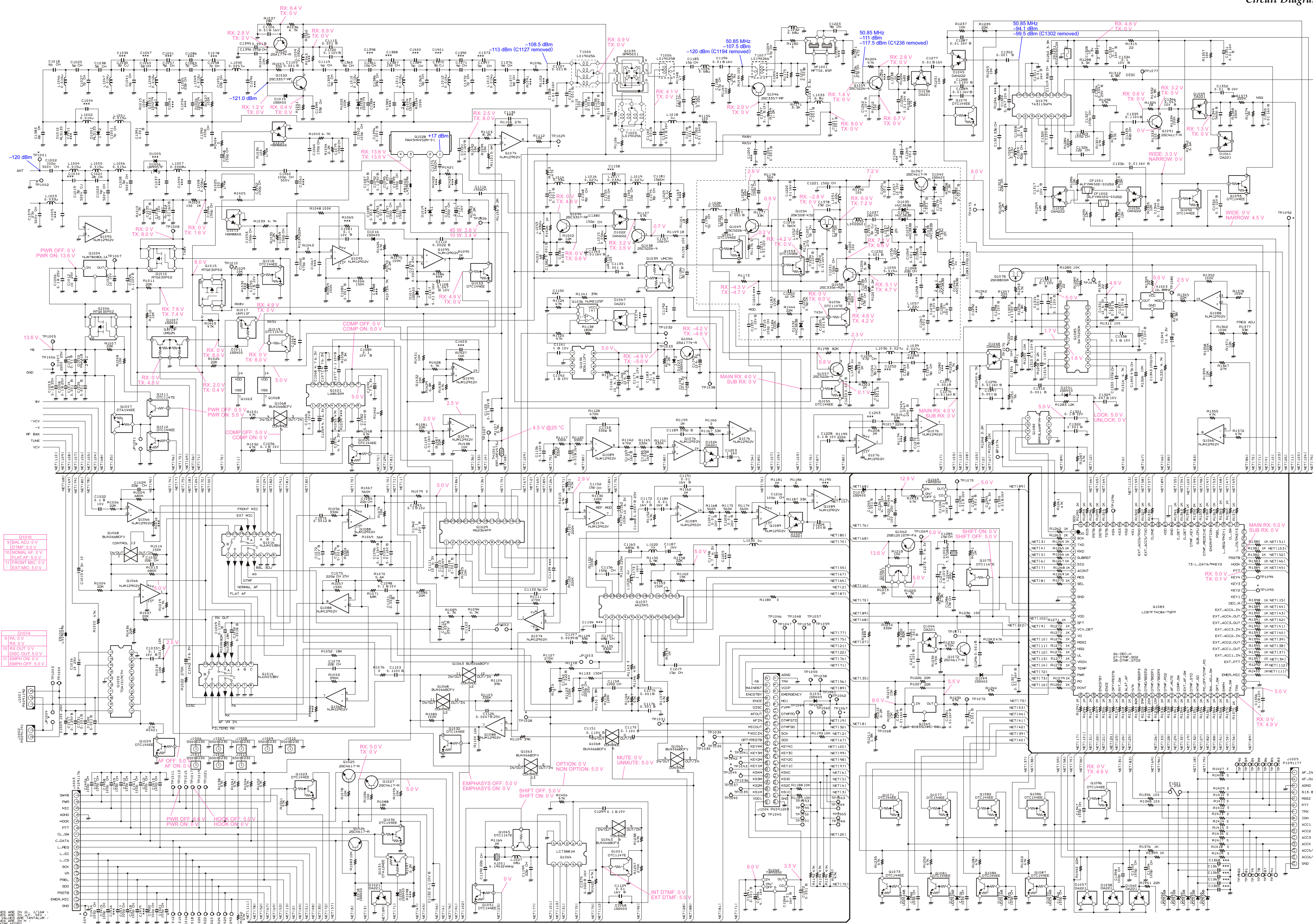
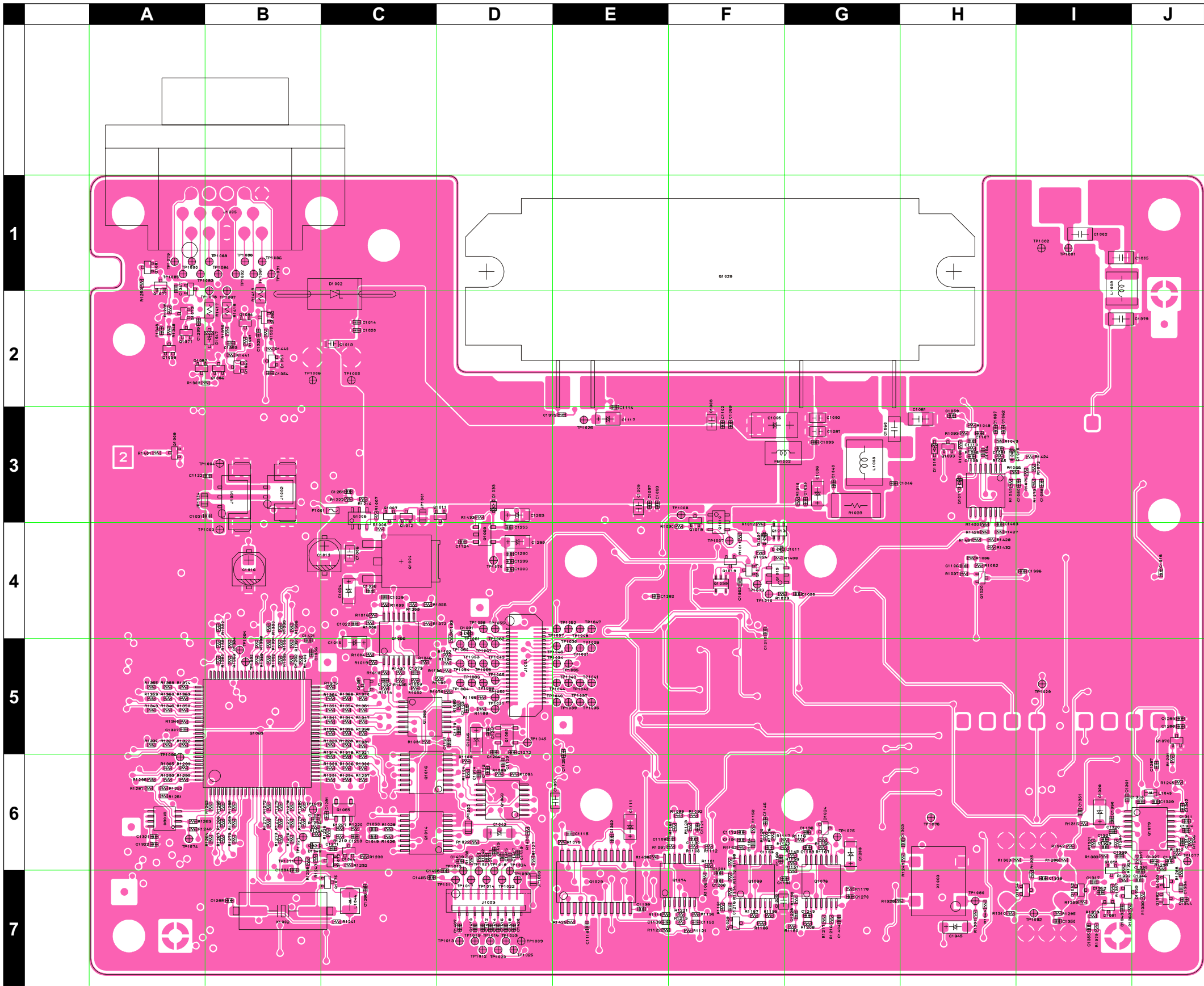
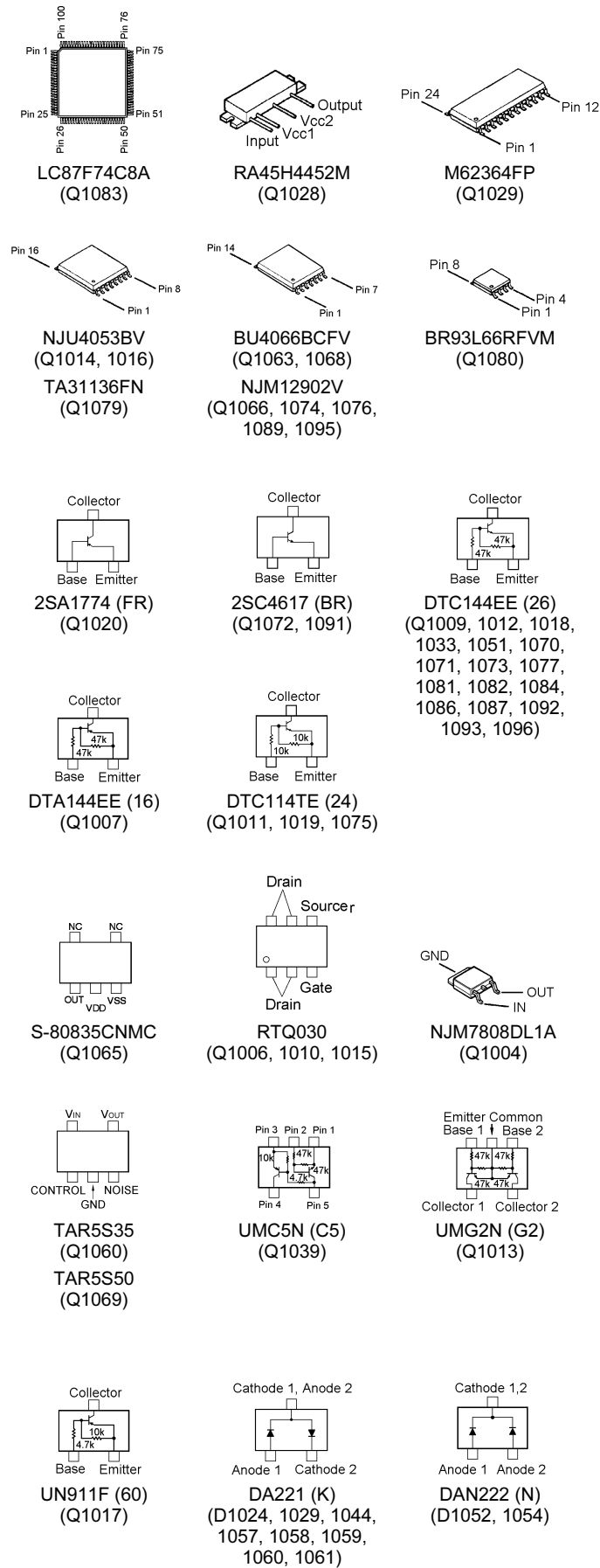


Figure 4

Installation of Option

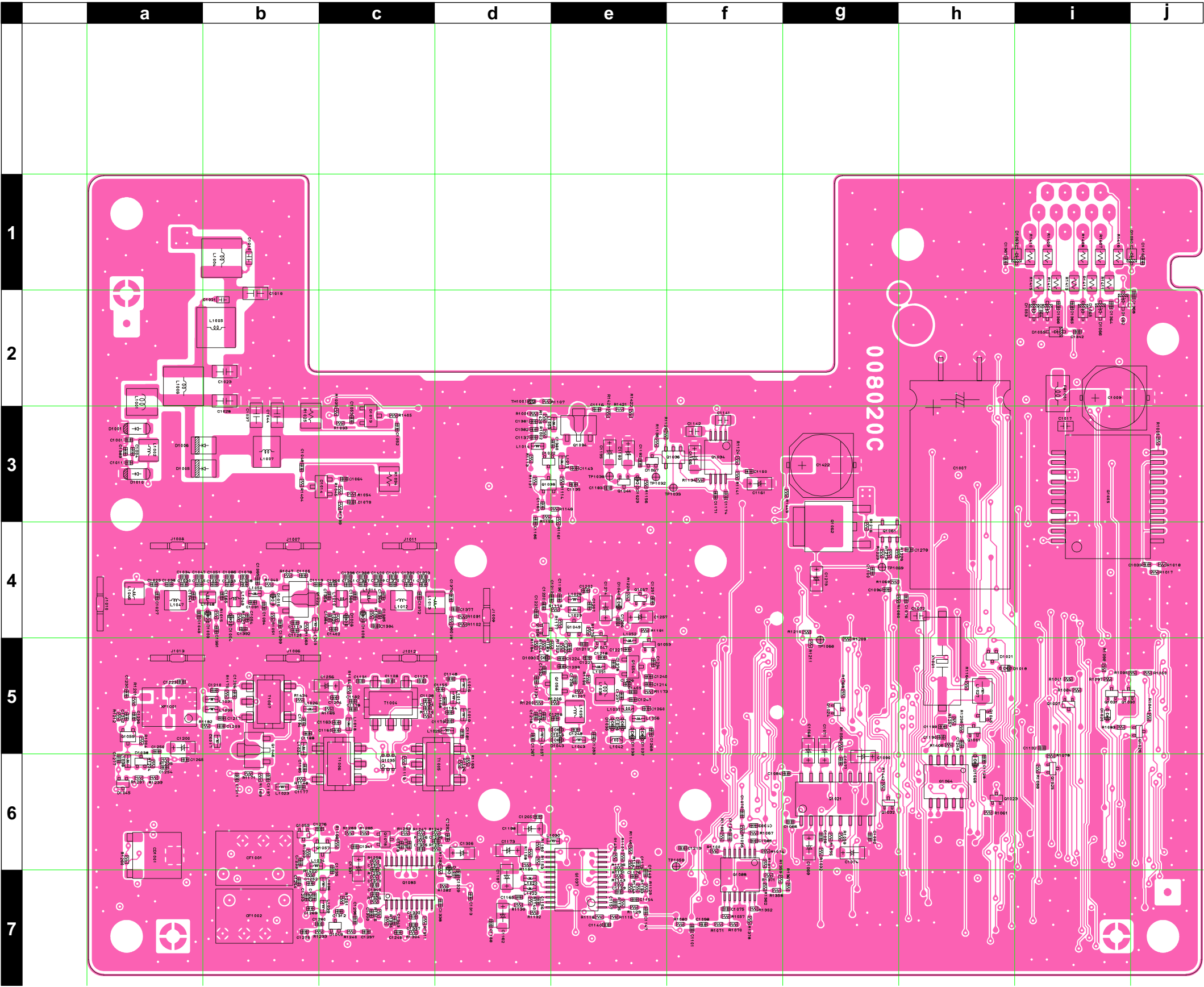
Note



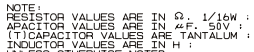


RF Unit (Lot. 1)

Parts Layout (Side B)

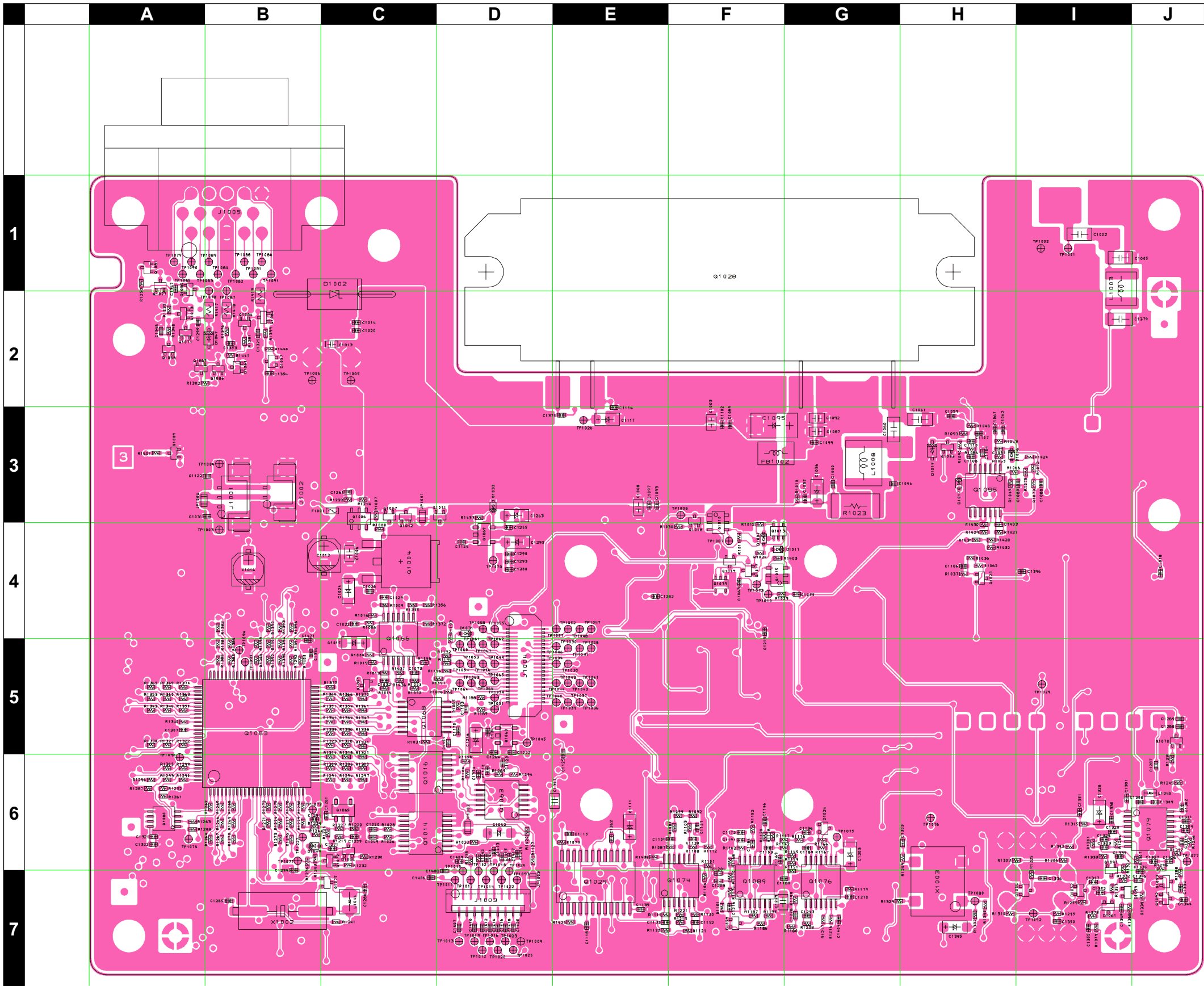
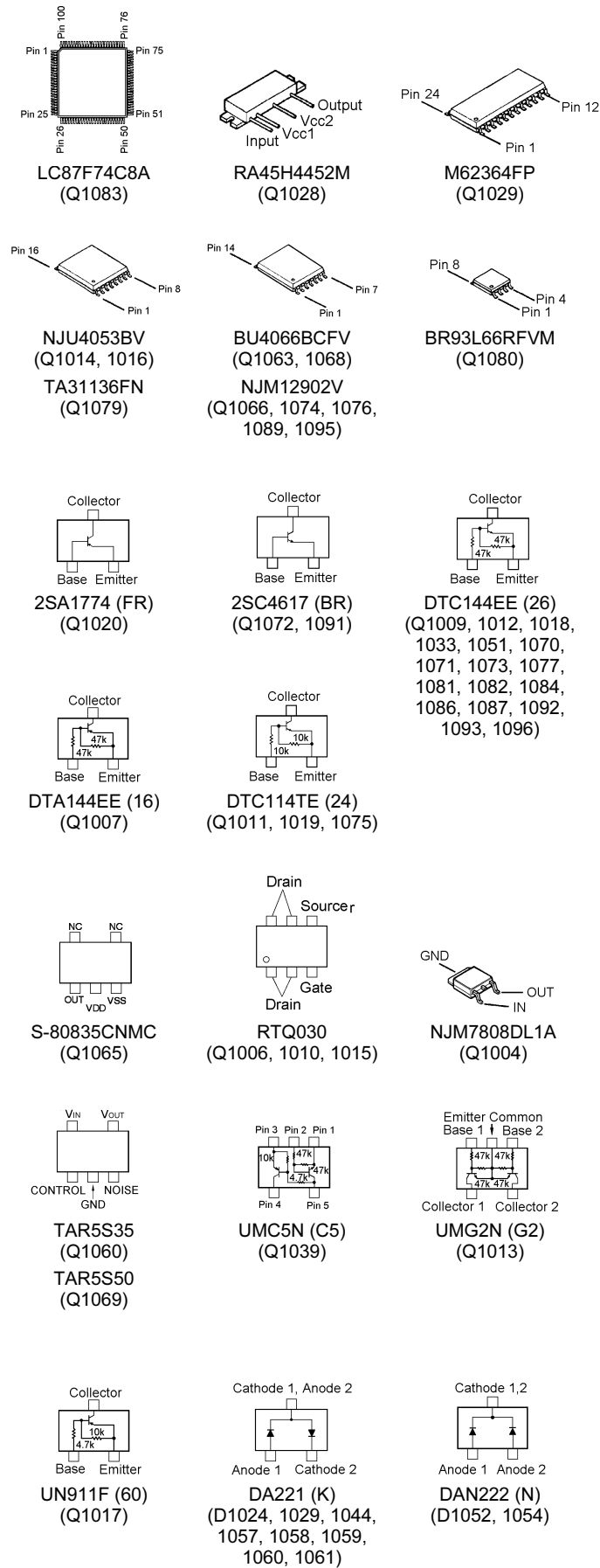


| | | |
|--|---|---------------------------|
| AK2345 (Q1037) | SA7025DK (Q1085) TDA1519CTH (Q1005) | NJM12902V (Q1088) |
| LA8630M (Q1021) | LC73881M (Q1064) | BD6111FV (Q1034) |
| 2SB1201S (Q1062) | 2SK508 (K52) (Q1054) 2SK880GR (XG) (Q1078) | 2SA1774 (FR) (Q1044) |
| 2SC3356 (R24) (Q1058) 2SC4617 (BR) (Q1025, 1026, 1027, 1067) 2SC5226 (R22) (Q1038, 1049, 1057, 1059) | 2SC3357 (RK) (Q1022, 1046, 1094) | DTA124EE (15) (Q1031) |
| DTC114TE (24) (Q1001, 1045, 1056) | DTC144EE (26) (Q1023, 1024, 1030, 1032, 1047, 1053, 1055) | NJM2125F (Q1036) |
| SPM5001 (Q1035) | XN1501 (Q1061) | |
| DA221 (K) (D1021, 1038, 1067) HSM88AS (K) (D1013, 1014) | DAN222 (N) (D1022, 1045, 1048) | |



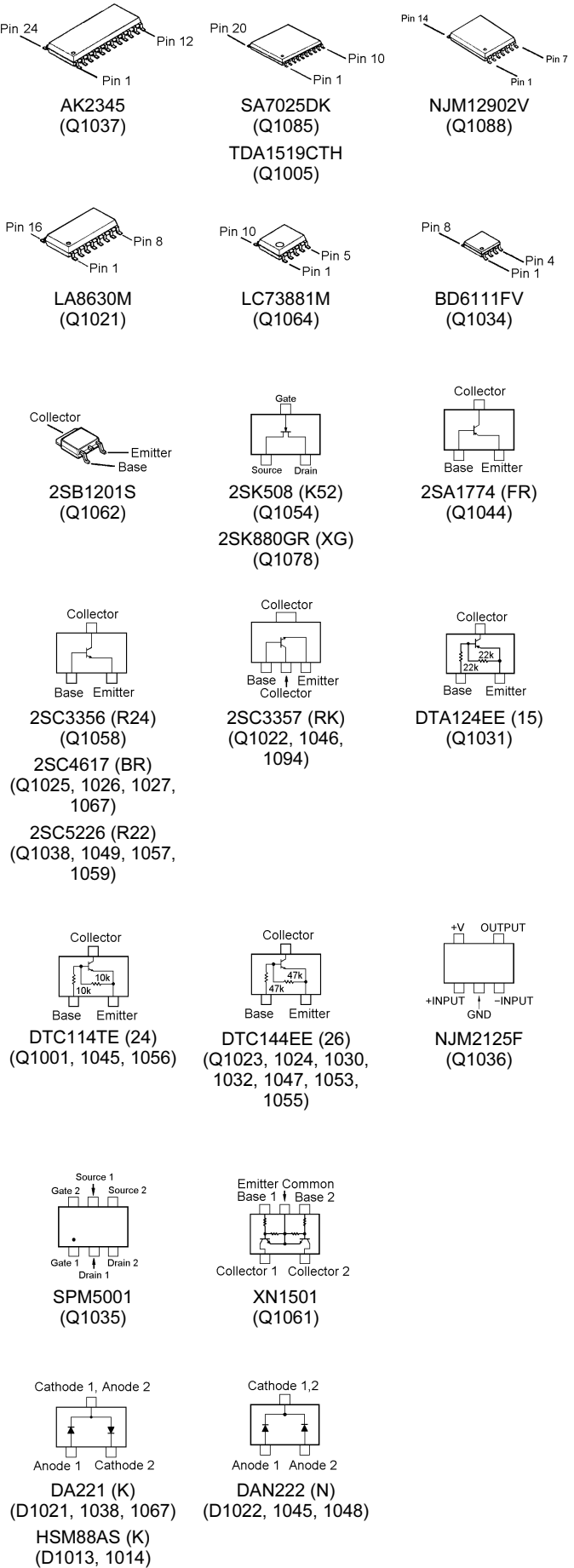
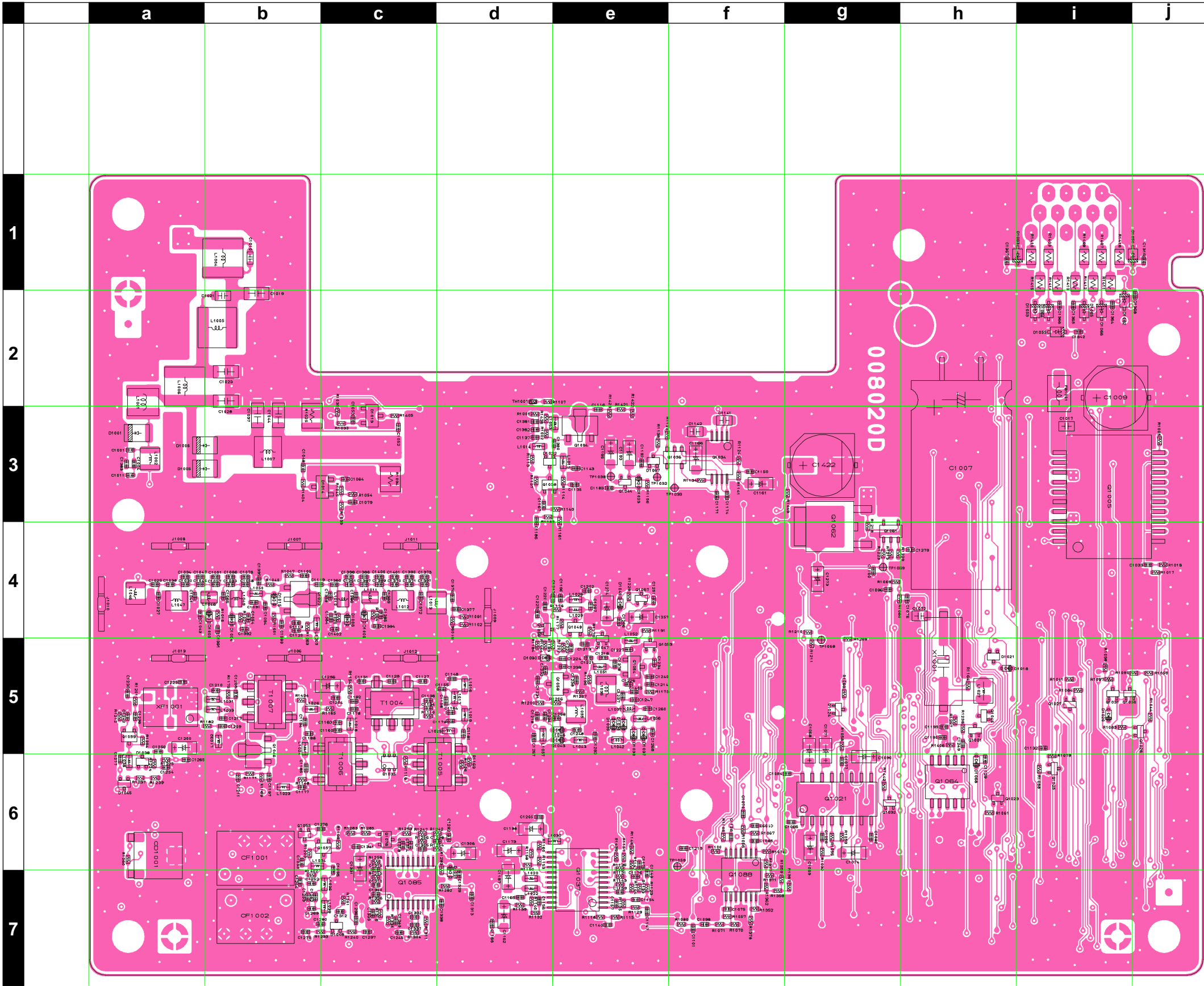
RF Unit (Lot. 2~5)

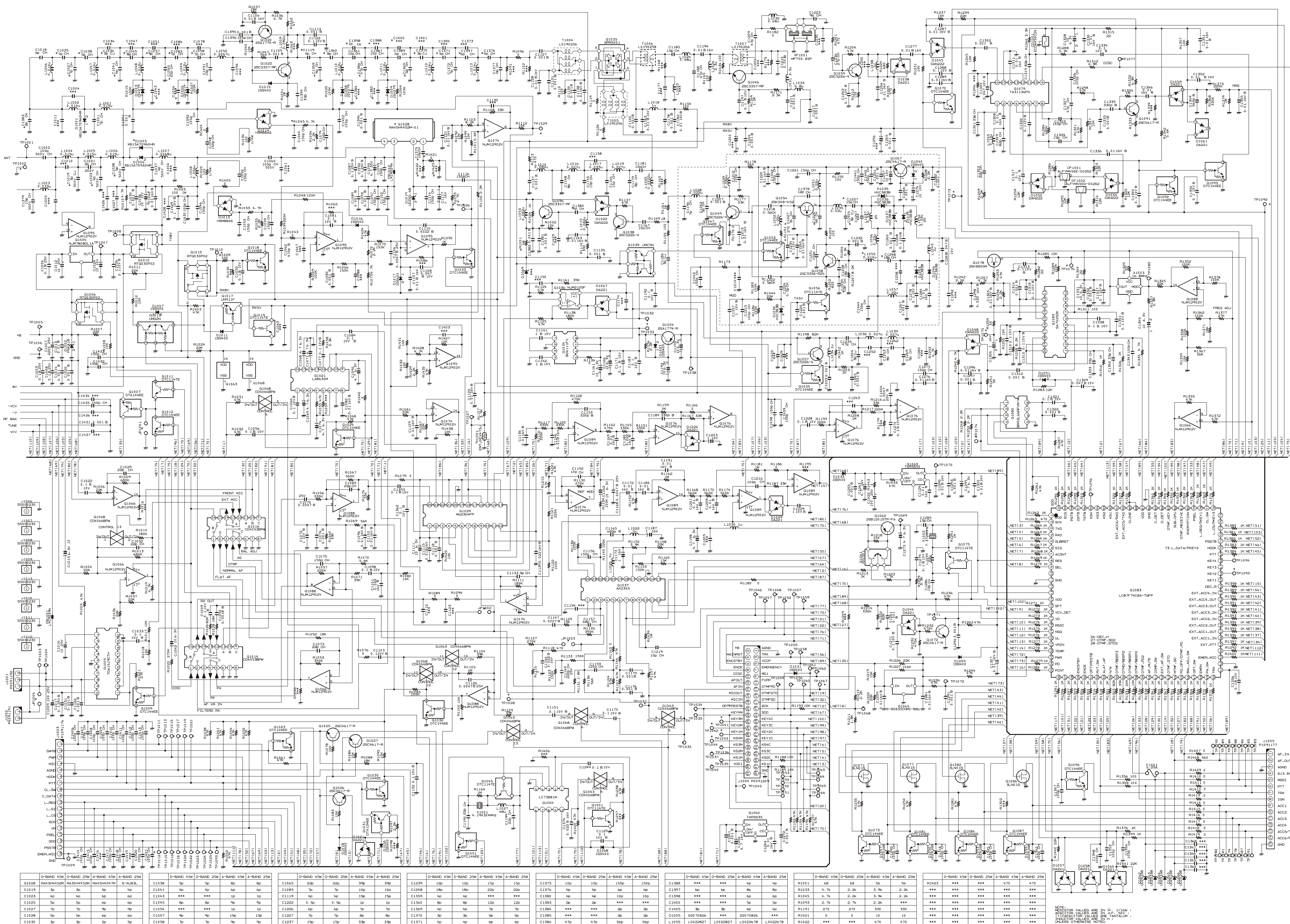
Note



RF Unit (Lot. 2~5)

Parts Layout (Side B)



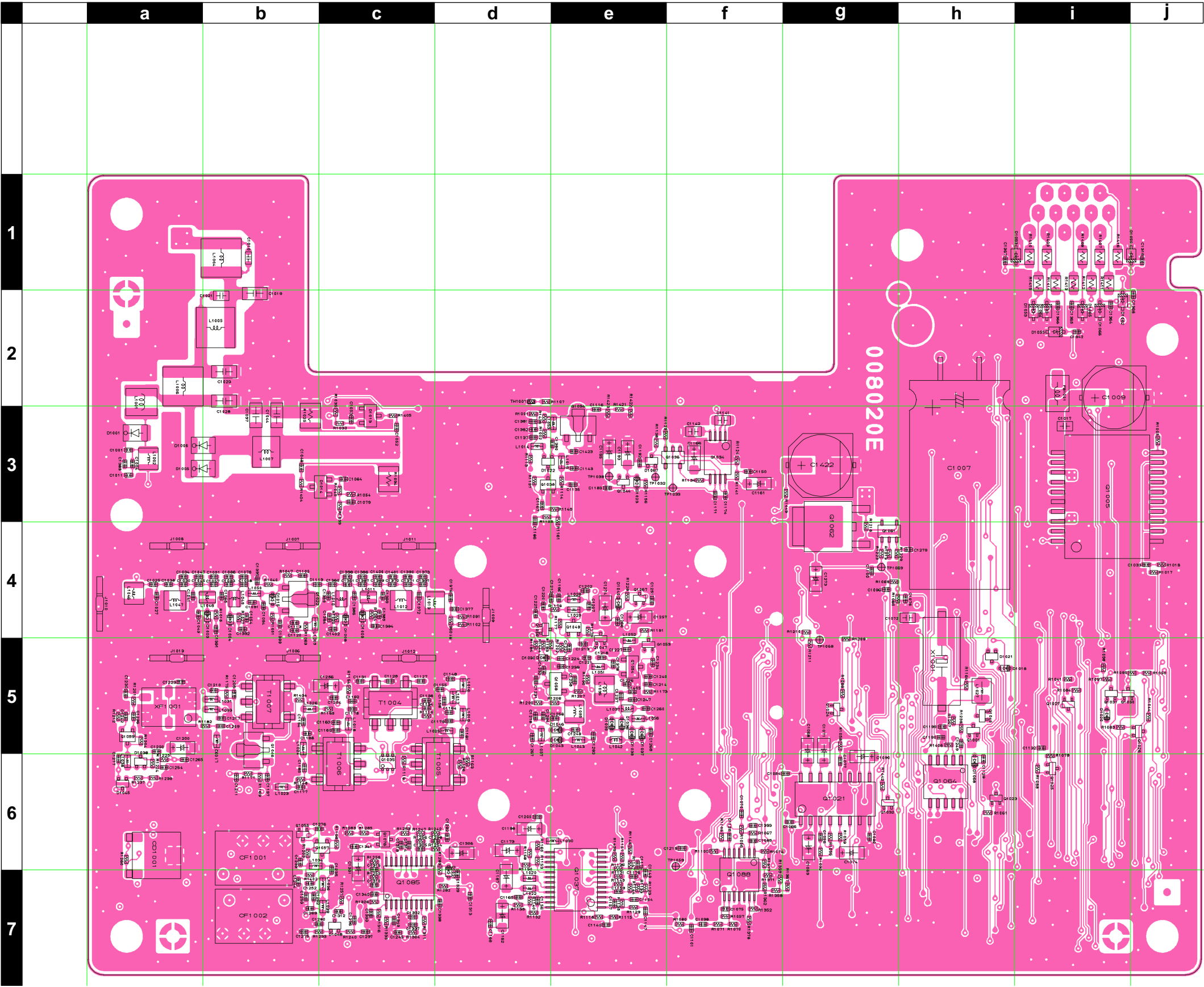


RF Unit (Lot. 6~)

Note

RF Unit (Lot. 6~)

Parts Layout (Side B)



| | | |
|--|---|---------------------------|
| AK2345 (Q1037) | SA7025DK (Q1085) TDA1519CTH (Q1005) | NJM12902V (Q1088) |
| LA8630M (Q1021) | LC73881M (Q1064) | BD6111FV (Q1034) |
| 2SB1201S (Q1062) | 2SK508 (K52) (Q1054) 2SK880GR (XG) (Q1078) | 2SA1774 (FR) (Q1044) |
| 2SC3356 (R24) (Q1058) 2SC4617 (BR) (Q1025, 1026, 1027, 1067) 2SC5226 (R22) (Q1038, 1049, 1057, 1059) | 2SC3357 (RK) (Q1022, 1046, 1094) | DTA124EE (15) (Q1031) |
| DTC114TE (24) (Q1001, 1045, 1056) | DTC144EE (26) (Q1023, 1024, 1030, 1032, 1047, 1053, 1055) | NJM2125F (Q1036) |
| SPM5001 (Q1035) | XN1501 (Q1061) | |
| DA221 (K) (D1021, 1038, 1067) HSM88AS (K) (D1013, 1014) | DAN222 (N) (D1022, 1045, 1048) | |

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|-----------------------|-----------------|----------|------|------|--------------------|-----------|-----------|-----|------|---------|
| PCB with Components | | | | | | CB1916001 | | | | |
| Printed Circuit Board | | | | | | FR008020C | | 1- | | |
| | | | | | | FR008020D | | 2- | | |
| | | | | | | FR008020E | | 6- | | |
| C 1001 | CHIP CAP. | 7pF | 50V | CH | GRM36CH070D50PT | K22178209 | | 1- | B | a3 |
| C 1002 | CHIP CAP. | 100pF | 500V | CH | GRM42-6CH101J500PT | K22271237 | | 1- | A | l1 |
| C 1003 | CHIP CAP. | 0.1uF | 25V | B | GRM40B104M25PT | K22140811 | | 1- | A | F3 |
| C 1006 | CHIP CAP. | 0.1uF | 25V | B | GRM40B104M25PT | K22140811 | | 1- | A | C4 |
| C 1007 | AL.ELECTRO.CAP. | 2200uF | 25V | | RE3-25V222M | K40149055 | | 1- | B | h2 |
| C 1008 | CHIP CAP. | 0.1uF | 25V | B | GRM40B104M25PT | K22140811 | | 1- | A | E3 |
| C 1009 | AL.ELECTRO.CAP. | 100uF | 25V | | ECEV1EA101UP | K48140013 | | 1- | B | i2 |
| C 1012 | AL.ELECTRO.CAP. | 10uF | 25V | | MVA-25VC10MD55 | K48140014 | | 1- | A | C4 |
| C 1013 | CHIP CAP. | 0.01uF | 50V | B | GRM39B103M50PT | K22174823 | | 1- | A | C2 |
| C 1014 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | A | C2 |
| C 1015 | CHIP TA.CAP. | 10uF | 6.3V | | TEMSVA0J106M-8R | K78080027 | | 1- | A | C5 |
| C 1016 | AL.ELECTRO.CAP. | 10uF | 25V | | MVA-25VC10MD55 | K48140014 | | 1- | A | B4 |
| C 1017 | CHIP CAP. | 0.1uF | 25V | B | GRM40B104M25PT | K22140811 | | 1- | B | i3 |
| C 1018 | CHIP CAP. | 4pF | 50V | CH | GRM36CH040C50PT | K22178206 | | 1- | A | J4 |
| C 1019 | CHIP CAP. | 3pF | 500V | CJ | GRM42-6CJ030C500PT | K22271206 | | 1-5 | B | b2 |
| C 1019 | CHIP CAP. | 4pF | 500V | CH | GRM42-6CH040C500PT | K22271207 | 25W VER.A | 6- | B | b2 |
| C 1019 | CHIP CAP. | 3pF | 500V | CJ | GRM42-6CJ030C500PT | K22271206 | 25W VER.D | 6- | B | b2 |
| C 1019 | CHIP CAP. | 5pF | 500V | CH | GRM42-6CH050C500PT | K22271208 | 45W VER A | 6- | B | b2 |
| C 1019 | CHIP CAP. | 3pF | 500V | CJ | GRM42-6CJ030C500PT | K22271206 | 45W VER D | 6- | B | b2 |
| C 1020 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | A | C2 |
| C 1021 | CHIP CAP. | 2pF | 50V | CK | GRM39CK020C50PT | K22174203 | | 1 | B | b2 |
| C 1021 | CHIP CAP. | 2pF | 200V | CH | GRM40CH020C200PT | K22230206 | | 2- | B | b2 |
| C 1022 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | A | C4 |
| C 1023 | CHIP CAP. | 4pF | 500V | CH | GRM42-6CH040C500PT | K22271207 | | 1-5 | B | b2 |
| C 1023 | CHIP CAP. | 6pF | 500V | CH | GRM42-6CH060D500PT | K22271209 | VERSION A | 6- | B | b2 |
| C 1023 | CHIP CAP. | 4pF | 500V | CH | GRM42-6CH040C500PT | K22271207 | VERSION D | 6- | B | b2 |
| C 1024 | CHIP TA.CAP. | 10uF | 10V | | TEMSVA1A106M-8R | K78100028 | | 1- | A | C4 |
| C 1025 | CHIP CAP. | 5pF | 50V | CH | GRM36CH050C50PT | K22178207 | | 1-5 | B | a4 |
| C 1025 | CHIP CAP. | 6pF | 50V | CH | GRM36CH060D50PT | K22178208 | VERSION A | 6- | B | a4 |
| C 1025 | CHIP CAP. | 5pF | 50V | CH | GRM36CH050C50PT | K22178207 | VERSION D | 6- | B | a4 |
| C 1026 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | A | C4 |
| C 1027 | CHIP CAP. | 7pF | 50V | CH | GRM36CH070D50PT | K22178209 | | 1-5 | B | a4 |
| C 1027 | CHIP CAP. | 9pF | 50V | CH | GRM36CH090D50PT | K22178211 | VERSION A | 6- | B | a4 |
| C 1027 | CHIP CAP. | 7pF | 50V | CH | GRM36CH070D50PT | K22178209 | VERSION D | 6- | B | a4 |
| C 1028 | CHIP CAP. | 5pF | 500V | CH | GRM42-6CH050C500PT | K22271208 | | 1-5 | B | b2 |
| C 1028 | CHIP CAP. | 6pF | 500V | CH | GRM42-6CH060D500PT | K22271209 | VERSION A | 6- | B | b2 |
| C 1028 | CHIP CAP. | 5pF | 500V | CH | GRM42-6CH050C500PT | K22271208 | VERSION D | 6- | B | b2 |
| C 1029 | CHIP CAP. | 22pF | 50V | CH | GRM36CH220J50PT | K22178220 | | 1- | A | C4 |
| C 1030 | CHIP CAP. | 3pF | 50V | CJ | GRM36CJ030C50PT | K22178205 | | 1-5 | B | a4 |
| C 1030 | CHIP CAP. | 5pF | 50V | CH | GRM36CH050C50PT | K22178207 | VERSION A | 6- | B | a4 |
| C 1030 | CHIP CAP. | 3pF | 50V | CJ | GRM36CJ030C50PT | K22178205 | VERSION D | 6- | B | a4 |
| C 1031 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | A | B3 |
| C 1032 | CHIP CAP. | 22pF | 50V | CH | GRM36CH220J50PT | K22178220 | | 1- | A | C5 |
| C 1033 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | B | j4 |
| C 1035 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | A | G3 |
| C 1036 | CHIP TA.CAP. | 10uF | 10V | | TEMSVA1A106M-8R | K78100028 | | 1- | A | G4 |
| C 1037 | CHIP CAP. | 4pF | 500V | CH | GRM42-6CH040C500PT | K22271207 | | 1- | B | b3 |
| C 1038 | CHIP CAP. | 5pF | 50V | CH | GRM36CH050C50PT | K22178207 | | 1-5 | B | a4 |
| C 1038 | CHIP CAP. | 8pF | 50V | CH | GRM36CH080D50PT | K22178210 | VERSION A | 6- | B | a4 |
| C 1038 | CHIP CAP. | 5pF | 50V | CH | GRM36CH050C50PT | K22178207 | VERSION D | 6- | B | a4 |
| C 1040 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | G3 |
| C 1041 | CHIP CAP. | 4pF | 50V | CH | GRM36CH040C50PT | K22178206 | | 1-5 | B | a4 |
| C 1041 | CHIP CAP. | 6pF | 50V | CH | GRM36CH060D50PT | K22178208 | VERSION A | 6- | B | a4 |
| C 1041 | CHIP CAP. | 4pF | 50V | CH | GRM36CH040C50PT | K22178206 | VERSION D | 6- | B | a4 |
| C 1042 | CHIP TA.CAP. | 10uF | 6.3V | | TEMSVA0J106M-8R | K78080027 | | 1- | A | D6 |
| C 1043 | CHIP CAP. | 1pF | 50V | CK | GRM36CK010B50PT | K22178287 | VERSION A | 6- | B | a4 |
| C 1045 | CHIP CAP. | 8pF | 50V | CH | GRM36CH080D50PT | K22178210 | | 1-5 | B | a4 |
| C 1045 | CHIP CAP. | 9pF | 50V | CH | GRM36CH090D50PT | K22178211 | VERSION A | 6- | B | a4 |
| C 1045 | CHIP CAP. | 8pF | 50V | CH | GRM36CH080D50PT | K22178210 | VERSION D | 6- | B | a4 |
| C 1046 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 1- | A | G3 |
| C 1048 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 1- | B | b3 |
| C 1049 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | A | C6 |
| C 1050 | CHIP CAP. | 0.0018uF | 50V | B | GRM36B182K50PT | K22178812 | | 1- | A | C6 |
| C 1052 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 1- | B | c3 |
| C 1053 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 1- | B | c3 |
| C 1054 | CHIP CAP. | 1pF | 50V | CK | GRM36CK010B50PT | K22178287 | VERSION A | 6- | B | b4 |
| C 1055 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | A | G4 |
| C 1056 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | B | g6 |
| C 1057 | CHIP CAP. | 9pF | 50V | CH | GRM36CH090D50PT | K22178211 | | 1-5 | B | b4 |

RF Unit

Parts List

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|--------------|----------|------|------|--------------------|-----------|-----------|-----|------|---------|
| C 1057 | CHIP CAP. | 15pF | 50V | CH | GRM36CH150J50PT | K22178216 | VERSION A | 6- | B | b4 |
| C 1057 | CHIP CAP. | 9pF | 50V | CH | GRM36CH090D50PT | K22178211 | VERSION D | 6- | B | b4 |
| C 1058 | CHIP CAP. | 7pF | 50V | CH | GRM36CH070D50PT | K22178209 | | 1-5 | B | b4 |
| C 1058 | CHIP CAP. | 9pF | 50V | CH | GRM36CH090D50PT | K22178211 | VERSION A | 6- | B | b4 |
| C 1058 | CHIP CAP. | 7pF | 50V | CH | GRM36CH070D50PT | K22178209 | VERSION D | 6- | B | b4 |
| C 1059 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 1- | A | H3 |
| C 1060 | CHIP CAP. | 100pF | 500V | CH | GRM42-6CH101J500PT | K22271237 | | 1- | A | G3 |
| C 1062 | CHIP CAP. | 470pF | 50V | B | GRM36B471K50PT | K22178805 | | 1- | A | H3 |
| C 1064 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 1- | B | c3 |
| C 1065 | CHIP CAP. | 22pF | 50V | CH | GRM36CH220J50PT | K22178220 | | 1-5 | B | b4 |
| C 1065 | CHIP CAP. | 39pF | 50V | CH | GRM36CH390J50PT | K22178226 | VERSION A | 6- | B | b4 |
| C 1065 | CHIP CAP. | 22pF | 50V | CH | GRM36CH220J50PT | K22178220 | VERSION D | 6- | B | b4 |
| C 1066 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | B | g6 |
| C 1068 | CHIP TA.CAP. | 4.7uF | 6.3V | | TEMSVA0J475M-8R | K78080017 | | 1- | B | g5 |
| C 1069 | CHIP TA.CAP. | 4.7uF | 6.3V | | TEMSVA0J475M-8R | K78080017 | | 1- | B | g6 |
| C 1070 | CHIP CAP. | 0.0047uF | 25V | B | GRM36B472K25PT | K22148830 | | 1- | B | f6 |
| C 1071 | CHIP TA.CAP. | 4.7uF | 6.3V | | TEMSVA0J475M-8R | K78080017 | | 1- | B | g5 |
| C 1072 | CHIP CAP. | 1uF | 10V | B | GRM40B105K10PT | K22100802 | | 1- | B | h4 |
| C 1073 | CHIP CAP. | 22pF | 50V | CH | GRM36CH220J50PT | K22178220 | | 1- | A | C5 |
| C 1074 | CHIP TA.CAP. | 4.7uF | 6.3V | | TEMSVA0J475M-8R | K78080017 | | 1- | B | g6 |
| C 1075 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 1- | B | f7 |
| C 1076 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | h4 |
| C 1077 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | B | g6 |
| C 1079 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 1- | B | c3 |
| C 1080 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | A | I3 |
| C 1081 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | A | H3 |
| C 1082 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | B | g6 |
| C 1083 | CHIP CAP. | 7pF | 50V | CH | GRM36CH070D50PT | K22178209 | | 1-5 | B | b4 |
| C 1083 | CHIP CAP. | 10pF | 50V | CH | GRM36CH100D50PT | K22178212 | VERSION A | 6- | B | b4 |
| C 1083 | CHIP CAP. | 7pF | 50V | CH | GRM36CH070D50PT | K22178209 | VERSION D | 6- | B | b4 |
| C 1084 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | B | g6 |
| C 1085 | CHIP CAP. | 22pF | 50V | CH | GRM36CH220J50PT | K22178220 | | 1- | B | f6 |
| C 1087 | CHIP CAP. | 0.1uF | 25V | B | GRM40B104M25PT | K22140811 | | 1- | A | G3 |
| C 1089 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | A | F3 |
| C 1090 | CHIP TA.CAP. | 4.7uF | 6.3V | | TEMSVA0J475M-8R | K78080017 | | 1- | B | g6 |
| C 1091 | CHIP CAP. | 10pF | 50V | CH | GRM36CH100D50PT | K22178212 | | 1- | B | b4 |
| C 1092 | CHIP CAP. | 0.1uF | 25V | B | GRM40B104M25PT | K22140811 | | 1- | A | G3 |
| C 1093 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | A | E3 |
| C 1095 | CHIP TA.CAP. | 4.7uF | 25V | | TESVC1E475M12R | K78140011 | | 1- | A | F3 |
| C 1095 | CHIP TA.CAP. | 4.7uF | 35V | | TEMSVC1V475M12R | K78160036 | | 6- | A | F3 |
| C 1096 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | B | g4 |
| C 1097 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 1- | A | E3 |
| C 1098 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | B | f7 |
| C 1099 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 1- | A | G3 |
| C 1100 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | B | g4 |
| C 1101 | CHIP CAP. | 0.022uF | 16V | B | GRM36B223K16PT | K22128806 | | 1- | B | f7 |
| C 1102 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 1- | A | F3 |
| C 1103 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | A | D5 |
| C 1104 | CHIP CAP. | 0.0047uF | 25V | B | GRM36B472K25PT | K22148830 | | 1- | A | H3 |
| C 1105 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | b4 |
| C 1106 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | H4 |
| C 1107 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | H3 |
| C 1108 | CHIP CAP. | 0.047uF | 10V | B | GRM36B473K10PT | K22108801 | | 1- | A | H3 |
| C 1109 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | F6 |
| C 1110 | CHIP CAP. | 0.0022uF | 50V | B | GRM36B222K50PT | K22178813 | | 1- | A | H3 |
| C 1111 | CHIP TA.CAP. | 10uF | 6.3V | | TEMSVA0J106M-8R | K78080027 | | 1- | A | E6 |
| C 1113 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | b4 |
| C 1114 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 1- | A | E2 |
| C 1115 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | E6 |
| C 1116 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 1- | B | e3 |
| C 1117 | CHIP TA.CAP. | 1uF | 16V | | TMCSA1C105MTR | K78120023 | | 1- | A | E3 |
| C 1118 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | A | E7 |
| C 1119 | CHIP CAP. | 4pF | 50V | CH | GRM36CH040C50PT | K22178206 | | 1-5 | B | b4 |
| C 1119 | CHIP CAP. | 15pF | 50V | CH | GRM36CH150J50PT | K22178216 | VERSION A | 6- | B | b4 |
| C 1119 | CHIP CAP. | 4pF | 50V | CH | GRM36CH040C50PT | K22178206 | VERSION D | 6- | B | b4 |
| C 1120 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | B | b4 |
| C 1121 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | F6 |
| C 1122 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | A | B3 |
| C 1124 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | D4 |
| C 1125 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | E5 |
| C 1126 | CHIP CAP. | 0.0047uF | 25V | B | GRM36B472K25PT | K22148830 | | 1- | B | f6 |
| C 1127 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | c5 |
| C 1128 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | B | c5 |

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|--------------|----------|------|------|----------------------|-----------|-------|-----|------|---------|
| C 1129 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | B | h6 |
| C 1131 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | c5 |
| C 1132 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | B | i5 |
| C 1133 | CHIP CAP. | 5pF | 50V | CH | GRM36CH050C50PT | K22178207 | | 1- | A | E7 |
| C 1134 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | c5 |
| C 1135 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | e3 |
| C 1136 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | G6 |
| C 1137 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | d3 |
| C 1138 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | B | c5 |
| C 1139 | CHIP CAP. | 0.022uF | 16V | B | GRM36B223K16PT | K22128806 | | 1- | A | E7 |
| C 1140 | CHIP CAP. | 0.022uF | 16V | B | GRM36B223K16PT | K22128806 | | 1- | B | e7 |
| C 1141 | CHIP CAP. | 1uF | 10V | B | GRM40B105K10PT(0.85) | K22100803 | | 1- | B | f3 |
| C 1142 | CHIP CAP. | 1uF | 10V | B | GRM40B105K10PT(0.85) | K22100803 | | 1- | B | f3 |
| C 1143 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | B | e3 |
| C 1146 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | F6 |
| C 1147 | CHIP CAP. | 0.0027uF | 50V | B | GRM36B272K50PT | K22178814 | | 1- | B | e7 |
| C 1148 | CHIP CAP. | 8pF | 50V | CH | GRM36CH080D50PT | K22178210 | | 1- | B | d5 |
| C 1149 | CHIP CAP. | 220pF | 25V | CH | GRM36CH221J25PT | K22148203 | | 1- | B | e7 |
| C 1151 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | A | D5 |
| C 1152 | CHIP CAP. | 10pF | 50V | CH | GRM36CH100D50PT | K22178212 | | 1- | A | F7 |
| C 1153 | CHIP CAP. | 330pF | 50V | B | GRM36B331K50PT | K22178803 | | 1- | A | F6 |
| C 1155 | CHIP CAP. | 10pF | 50V | CH | GRM36CH100D50PT | K22178212 | | 1- | B | d5 |
| C 1156 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 1- | B | d7 |
| C 1157 | CHIP CAP. | 68pF | 50V | CH | GRM36CH680J50PT | K22178232 | | 1- | B | e7 |
| C 1159 | CHIP CAP. | 120pF | 50V | CH | GRM36CH121J50PT | K22178238 | | 1- | B | e7 |
| C 1160 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | c5 |
| C 1161 | CHIP TA.CAP. | 10uF | 6.3V | | TEMSVA0J106M-8R | K78080027 | | 1- | B | f3 |
| C 1162 | CHIP TA.CAP. | 10uF | 6.3V | | TEMSVA0J106M-8R | K78080027 | | 1- | B | d7 |
| C 1163 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | B | c5 |
| C 1164 | CHIP CAP. | 10pF | 50V | CH | GRM36CH100D50PT | K22178212 | | 1- | B | d5 |
| C 1165 | CHIP CAP. | 680pF | 50V | B | GRM36B681K50PT | K22178807 | | 1- | B | d7 |
| C 1166 | CHIP TA.CAP. | 10uF | 6.3V | | TEMSVA0J106M-8R | K78080027 | | 1- | B | f3 |
| C 1167 | CHIP CAP. | 10pF | 50V | CH | GRM36CH100D50PT | K22178212 | | 1- | B | d3 |
| C 1168 | CHIP CAP. | 0.0047uF | 25V | B | GRM36B472K25PT | K22148830 | | 1- | B | d7 |
| C 1169 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | F6 |
| C 1170 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | A | D5 |
| C 1171 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | B | f3 |
| C 1172 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | F6 |
| C 1173 | CHIP TA.CAP. | 1uF | 16V | | TMCSA1C105MTR | K78120023 | | 1- | B | d6 |
| C 1175 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | e6 |
| C 1176 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | e7 |
| C 1178 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | c5 |
| C 1179 | CHIP CAP. | 8pF | 50V | CH | GRM36CH080D50PT | K22178210 | | 1- | B | d5 |
| C 1180 | CHIP CAP. | 0.022uF | 16V | B | GRM36B223K16PT | K22128806 | | 1- | A | F7 |
| C 1181 | CHIP CAP. | 10pF | 50V | CH | GRM36CH100D50PT | K22178212 | | 1- | B | d5 |
| C 1182 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | B | c5 |
| C 1183 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | B | e3 |
| C 1184 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | F6 |
| C 1185 | CHIP CAP. | 15pF | 50V | CH | GRM36CH150J50PT | K22178216 | | 1- | B | b6 |
| C 1186 | CHIP CAP. | 3pF | 50V | CJ | GRM36CJ030C50PT | K22178205 | | 1- | B | d3 |
| C 1187 | CHIP TA.CAP. | 1uF | 16V | | TMCSA1C105MTR | K78120023 | | 1- | B | d7 |
| C 1188 | CHIP CAP. | 47pF | 50V | CH | GRM36CH470J50PT | K22178228 | | 1- | B | b5 |
| C 1189 | CHIP CAP. | 330pF | 50V | B | GRM36B331K50PT | K22178803 | | 1- | A | G6 |
| C 1190 | CHIP CAP. | 22pF | 50V | CH | GRM36CH220J50PT | K22178220 | | 1- | B | h5 |
| C 1191 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | F6 |
| C 1192 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | B | e3 |
| C 1193 | CHIP TA.CAP. | 10uF | 6.3V | | TEMSVA0J106M-8R | K78080027 | | 1- | B | e3 |
| C 1194 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | B | b5 |
| C 1195 | CHIP TA.CAP. | 10uF | 6.3V | | TEMSVA0J106M-8R | K78080027 | | 1- | B | e3 |
| C 1196 | CHIP CAP. | 7pF | 50V | CH | GRM36CH070D50PT | K22178209 | | 1- | B | e4 |
| C 1197 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | B | b6 |
| C 1198 | CHIP TA.CAP. | 4.7uF | 6.3V | | TEMSVA0J475M-8R | K78080017 | | 1- | B | d6 |
| C 1199 | CHIP CAP. | 22pF | 50V | CH | GRM36CH220J50PT | K22178220 | | 1- | B | h5 |
| C 1201 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | F7 |
| C 1202 | CHIP CAP. | 5pF | 50V | CH | GRM36CH050C50PT | K22178207 | | 1- | B | e4 |
| C 1203 | CHIP TA.CAP. | 1uF | 16V | | TMCSA1C105MTR | K78120023 | | 1- | A | G6 |
| C 1204 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | c5 |
| C 1207 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | e4 |
| C 1208 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | F7 |
| C 1209 | CHIP CAP. | 47pF | 50V | CH | GRM36CH470J50PT | K22178228 | | 1- | B | b5 |
| C 1210 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | b5 |
| C 1211 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | b6 |
| C 1212 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 1- | B | d4 |

RF Unit

Parts List

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|--------------|---------|------|------|-----------------|-----------|-----------|-----|------|---------|
| C 1213 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | B | e5 |
| C 1215 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | A | F4 |
| C 1216 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | A | F7 |
| C 1217 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | b5 |
| C 1218 | CHIP CAP. | 0.5pF | 50V | CK | GRM36CK0R5B50PT | K22178285 | | 1- | B | e5 |
| C 1219 | CHIP CAP. | 15pF | 50V | CH | GRM36CH150J50PT | K22178216 | | 1- | B | f6 |
| C 1220 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | B | d4 |
| C 1221 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 1- | B | e5 |
| C 1222 | CHIP CAP. | 0.5pF | 50V | CK | GRM36CK0R5B50PT | K22178285 | | 1-5 | B | e5 |
| C 1222 | CHIP CAP. | 1pF | 50V | CK | GRM36CK010B50PT | K22178287 | VERSION A | 6- | B | e5 |
| C 1222 | CHIP CAP. | 0.5pF | 50V | CK | GRM36CK0R5B50PT | K22178285 | VERSION D | 6- | B | e5 |
| C 1223 | CHIP CAP. | 9pF | 50V | CH | GRM36CH090D50PT | K22178211 | | 1- | B | a5 |
| C 1224 | CHIP CAP. | 0.5pF | 50V | CK | GRM36CK0R5B50PT | K22178285 | | 1- | B | e5 |
| C 1225 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | d4 |
| C 1226 | CHIP CAP. | 6pF | 50V | CH | GRM36CH060D50PT | K22178208 | | 1-5 | B | e5 |
| C 1226 | CHIP CAP. | 7pF | 50V | CH | GRM36CH070D50PT | K22178209 | VERSION A | 6- | B | e5 |
| C 1226 | CHIP CAP. | 6pF | 50V | CH | GRM36CH060D50PT | K22178208 | VERSION D | 6- | B | e5 |
| C 1227 | CHIP CAP. | 7pF | 50V | CH | GRM36CH070D50PT | K22178209 | | 1-5 | B | e5 |
| C 1227 | CHIP CAP. | 8pF | 50V | CH | GRM36CH080D50PT | K22178210 | VERSION A | 6- | B | e5 |
| C 1227 | CHIP CAP. | 7pF | 50V | CH | GRM36CH070D50PT | K22178209 | VERSION D | 6- | B | e5 |
| C 1228 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | A | G7 |
| C 1229 | CHIP CAP. | 1uF | 10V | B | GRM40B105K10PT | K22100802 | | 1- | A | F7 |
| C 1231 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 1- | B | d5 |
| C 1232 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | d5 |
| C 1233 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | b6 |
| C 1234 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | B | e5 |
| C 1235 | CHIP CAP. | 47pF | 50V | CH | GRM36CH470J50PT | K22178228 | | 1- | B | c6 |
| C 1236 | CHIP CAP. | 27pF | 50V | CH | GRM36CH270J50PT | K22178222 | | 1- | B | a5 |
| C 1237 | CHIP CAP. | 15pF | 50V | CH | GRM36CH150J50PT | K22178216 | | 1-5 | B | e5 |
| C 1237 | CHIP CAP. | 33pF | 50V | CH | GRM36CH330J50PT | K22178224 | VERSION A | 6- | B | e5 |
| C 1237 | CHIP CAP. | 15pF | 50V | CH | GRM36CH150J50PT | K22178216 | VERSION D | 6- | B | e5 |
| C 1238 | CHIP CAP. | 18pF | 50V | CH | GRM36CH180J50PT | K22178218 | | 1- | B | e5 |
| C 1239 | CHIP CAP. | 12pF | 50V | CH | GRM36CH120J50PT | K22178214 | | 1-5 | B | e5 |
| C 1239 | CHIP CAP. | 15pF | 50V | CH | GRM36CH150J50PT | K22178216 | VERSION A | 6- | B | e5 |
| C 1239 | CHIP CAP. | 12pF | 50V | CH | GRM36CH120J50PT | K22178214 | VERSION D | 6- | B | e5 |
| C 1240 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | B | e5 |
| C 1241 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | A | D5 |
| C 1242 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | B | a5 |
| C 1244 | CHIP CAP. | 3pF | 50V | CJ | GRM36CJ030B50PT | K22178290 | | 1- | B | b7 |
| C 1245 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | c7 |
| C 1246 | CHIP TA.CAP. | 4.7uF | 16V | | TEMSVA1C475M-8R | K78120031 | | 1- | A | D5 |
| C 1248 | CHIP CAP. | 18pF | 50V | CH | GRM36CH180J50PT | K22178218 | | 1-5 | B | e5 |
| C 1248 | CHIP CAP. | 22pF | 50V | CH | GRM36CH220J50PT | K22178220 | VERSION A | 6- | B | e5 |
| C 1248 | CHIP CAP. | 18pF | 50V | CH | GRM36CH180J50PT | K22178218 | VERSION D | 6- | B | e5 |
| C 1249 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | B | h5 |
| C 1251 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | e4 |
| C 1253 | CHIP CAP. | 8pF | 50V | CH | GRM36CH080D50PT | K22178210 | | 1- | B | b7 |
| C 1254 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | B | a6 |
| C 1255 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | A | D4 |
| C 1257 | CHIP TA.CAP. | 10uF | 10V | | TEMSVA1A106M-8R | K78100028 | | 1- | B | e4 |
| C 1259 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | C6 |
| C 1260 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | e5 |
| C 1261 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | A | C3 |
| C 1263 | CHIP TA.CAP. | 4.7uF | 16V | | TEMSVA1C475M-8R | K78120031 | | 1- | A | D3 |
| C 1264 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | D5 |
| C 1265 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | a6 |
| C 1266 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | e4 |
| C 1267 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | d5 |
| C 1268 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | B | e5 |
| C 1269 | CHIP CAP. | 5pF | 50V | CH | GRM36CH050C50PT | K22178207 | | 1- | B | b7 |
| C 1270 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | A | G7 |
| C 1271 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | A | C6 |
| C 1272 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | A | D5 |
| C 1273 | CHIP TA.CAP. | 4.7uF | 6.3V | | TEMSVA0J475M-8R | K78080017 | | 1- | B | g4 |
| C 1274 | CHIP TA.CAP. | 10uF | 10V | | TEMSVA1A106M-8R | K78100028 | | 1- | B | e4 |
| C 1275 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | b7 |
| C 1275 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 6- | B | b7 |
| C 1276 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | B | b6 |
| C 1277 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | B | a6 |
| C 1278 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | B | d5 |
| C 1279 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | B | h4 |
| C 1281 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | C6 |
| C 1282 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | A | E4 |

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|--------------|---------|------|------|-----------------|-----------|-------|-----|------|---------|
| C 1283 | CHIP CAP. | 0.047uF | 10V | B | GRM36B473K10PT | K22108801 | | 1- | B | e5 |
| C 1284 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | B | d5 |
| C 1285 | CHIP CAP. | 15pF | 50V | CH | GRM36CH150J50PT | K22178216 | | 1- | A | B7 |
| C 1286 | CHIP CAP. | 15pF | 50V | CH | GRM36CH150J50PT | K22178216 | | 1- | A | C7 |
| C 1287 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | J6 |
| C 1288 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | A | J5 |
| C 1289 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | J5 |
| C 1290 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | D4 |
| C 1291 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | A | B6 |
| C 1293 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | A | D4 |
| C 1294 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | A | B6 |
| C 1295 | CHIP TA.CAP. | 4.7uF | 6.3V | | TEMSVA0J475M-8R | K78080017 | | 1- | A | D4 |
| C 1296 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | B | c7 |
| C 1297 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | c7 |
| C 1298 | CHIP CAP. | 0.022uF | 16V | B | GRM36B223K16PT | K22128806 | | 1- | B | c6 |
| C 1299 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | A | A2 |
| C 1300 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | D4 |
| C 1301 | CHIP CAP. | 33pF | 50V | CH | GRM36CH330J50PT | K22178224 | | 1- | A | I6 |
| C 1302 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | A | J6 |
| C 1303 | CHIP CAP. | 22pF | 50V | CH | GRM36CH220J50PT | K22178220 | | 1- | A | H6 |
| C 1304 | CHIP CAP. | 0.047uF | 10V | B | GRM36B473K10PT | K22108801 | | 1- | A | J6 |
| C 1305 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | B | c6 |
| C 1306 | CHIP TA.CAP. | 1uF | 16V | | TMCSA1C105MTR | K78120023 | | 1- | B | d6 |
| C 1307 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | A5 |
| C 1308 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | J6 |
| C 1309 | CHIP CAP. | 82pF | 50V | CH | GRM36CH820J50PT | K22178234 | | 1- | A | J6 |
| C 1310 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | B | c7 |
| C 1311 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | J6 |
| C 1312 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | c7 |
| C 1313 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | B | d7 |
| C 1314 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | c6 |
| C 1315 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | B | c6 |
| C 1316 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | B | j1 |
| C 1317 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | A | I7 |
| C 1318 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | B | c6 |
| C 1319 | CHIP CAP. | 82pF | 50V | CH | GRM36CH820J50PT | K22178234 | | 1- | A | J6 |
| C 1320 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | A | I6 |
| C 1321 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | A | A6 |
| C 1322 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | A | A6 |
| C 1323 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | A | I6 |
| C 1324 | CHIP CAP. | 15pF | 50V | CH | GRM36CH150J50PT | K22178216 | | 1- | A | I6 |
| C 1325 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | A | B2 |
| C 1326 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | A | J6 |
| C 1327 | CHIP CAP. | 47pF | 50V | CH | GRM36CH470J50PT | K22178228 | | 1- | A | J6 |
| C 1328 | CHIP TA.CAP. | 10uF | 6.3V | | TEMSVA0J106M-8R | K78080027 | | 1- | A | I6 |
| C 1329 | CHIP CAP. | 0.047uF | 10V | B | GRM36B473K10PT | K22108801 | | 1- | B | d7 |
| C 1330 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | I6 |
| C 1331 | CHIP TA.CAP. | 10uF | 6.3V | | TEMSVA0J106M-8R | K78080027 | | 1- | B | c6 |
| C 1332 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | c7 |
| C 1333 | CHIP CAP. | 33pF | 50V | CH | GRM36CH330J50PT | K22178224 | | 1- | B | c7 |
| C 1334 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | A | J7 |
| C 1335 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | A | J7 |
| C 1336 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | I7 |
| C 1337 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | B | c7 |
| C 1338 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | B | d7 |
| C 1339 | CHIP CAP. | 330pF | 50V | B | GRM36B331K50PT | K22178803 | | 1- | A | I6 |
| C 1340 | CHIP CAP. | 33pF | 50V | CH | GRM36CH330J50PT | K22178224 | | 1- | B | c7 |
| C 1341 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | B | c6 |
| C 1342 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | B | i2 |
| C 1343 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | B | c7 |
| C 1344 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | A | J7 |
| C 1345 | CHIP TA.CAP. | 10uF | 6.3V | | TEMSVA0J106M-8R | K78080027 | | 1- | A | H7 |
| C 1346 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | J7 |
| C 1347 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | A | A1 |
| C 1348 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | A | A2 |
| C 1349 | CHIP CAP. | 560pF | 50V | B | GRM36B561K50PT | K22178806 | | 1- | A | I7 |
| C 1350 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | A | I7 |
| C 1351 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | I6 |
| C 1352 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | I7 |
| C 1353 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | A | B2 |
| C 1354 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | A | B2 |
| C 1355 | CHIP CAP. | 0.01uF | 16V | B | GRM36B103K16PT | K22128804 | | 1- | A | I7 |
| C 1356 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | A | B5 |

RF Unit

Parts List

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|----------|------|------|--------------------|-----------|-----------|-----|------|---------|
| C 1357 | CHIP CAP. | 1uF | 10V | B | GRM40B105K10PT | K22100802 | | 1- | A | E6 |
| C 1359 | CHIP CAP. | 4pF | 50V | CH | GRM36CH040C50PT | K22178206 | | 1-5 | B | c4 |
| C 1359 | CHIP CAP. | 4pF | 50V | CH | GRM36CH040C50PT | K22178206 | VERSION D | 6- | B | c4 |
| C 1360 | CHIP CAP. | 8pF | 50V | CH | GRM36CH080D50PT | K22178210 | | 1-5 | B | c4 |
| C 1360 | CHIP CAP. | 12pF | 50V | CH | GRM36CH120J50PT | K22178214 | VERSION A | 6- | B | c4 |
| C 1360 | CHIP CAP. | 8pF | 50V | CH | GRM36CH080D50PT | K22178210 | VERSION D | 6- | B | c4 |
| C 1361 | CHIP CAP. | 10pF | 50V | CH | GRM36CH100D50PT | K22178212 | | 1- | B | c4 |
| C 1362 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | A | E6 |
| C 1369 | CHIP CAP. | 4pF | 50V | CH | GRM36CH040C50PT | K22178206 | | 1-5 | B | c4 |
| C 1369 | CHIP CAP. | 7pF | 50V | CH | GRM36CH070D50PT | K22178209 | VERSION A | 6- | B | c4 |
| C 1369 | CHIP CAP. | 4pF | 50V | CH | GRM36CH040C50PT | K22178206 | VERSION D | 6- | B | c4 |
| C 1370 | CHIP CAP. | 3pF | 50V | CJ | GRM36CJ030C50PT | K22178205 | | 1-5 | B | c4 |
| C 1370 | CHIP CAP. | 5pF | 50V | CH | GRM36CH050C50PT | K22178207 | VERSION A | 6- | B | c4 |
| C 1370 | CHIP CAP. | 3pF | 50V | CJ | GRM36CJ030C50PT | K22178205 | VERSION D | 6- | B | c4 |
| C 1371 | CHIP CAP. | 4pF | 50V | CH | GRM36CH040C50PT | K22178206 | | 1-5 | B | c4 |
| C 1371 | CHIP CAP. | 6pF | 50V | CH | GRM36CH060D50PT | K22178208 | VERSION A | 6- | B | c4 |
| C 1371 | CHIP CAP. | 4pF | 50V | CH | GRM36CH040C50PT | K22178206 | VERSION D | 6- | B | c4 |
| C 1372 | CHIP CAP. | 7pF | 50V | CH | GRM36CH070D50PT | K22178209 | | 1- | B | c4 |
| C 1374 | CHIP CAP. | 0.022uF | 16V | B | GRM36B223K16PT | K22128806 | | 1- | A | D6 |
| C 1375 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 1-5 | A | E3 |
| C 1375 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | VERSION A | 6- | A | E3 |
| C 1375 | CHIP CAP. | 10pF | 50V | CH | GRM36CH100D50PT | K22178212 | VERSION D | 6- | A | E3 |
| C 1376 | CHIP CAP. | 4pF | 50V | CH | GRM36CH040C50PT | K22178206 | | 1-5 | B | d4 |
| C 1376 | CHIP CAP. | 6pF | 50V | CH | GRM36CH060D50PT | K22178208 | VERSION A | 6- | B | d4 |
| C 1376 | CHIP CAP. | 4pF | 50V | CH | GRM36CH040C50PT | K22178206 | VERSION D | 6- | B | d4 |
| C 1377 | CHIP CAP. | 6pF | 50V | CH | GRM36CH060D50PT | K22178208 | | 1- | B | d4 |
| C 1378 | CHIP CAP. | 12pF | 50V | CH | GRM36CH120J50PT | K22178214 | | 1- | B | e5 |
| C 1379 | CHIP CAP. | 15pF | 500V | CH | GRM42-6CH150J500PT | K22271217 | | 1- | A | I2 |
| C 1380 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 1-5 | B | e3 |
| C 1380 | CHIP CAP. | 10pF | 50V | CH | GRM36CH100D50PT | K22178212 | VERSION A | 6- | B | e3 |
| C 1380 | CHIP CAP. | 4pF | 50V | CH | GRM36CH040C50PT | K22178206 | VERSION D | 6- | B | e3 |
| C 1381 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | d3 |
| C 1382 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | d3 |
| C 1383 | CHIP CAP. | 2pF | 50V | CK | GRM36CK020C50PT | K22178204 | | 1-5 | B | a3 |
| C 1383 | CHIP CAP. | 2pF | 50V | CK | GRM36CK020C50PT | K22178204 | VERSION D | 6- | B | a3 |
| C 1384 | CHIP CAP. | 2pF | 50V | CK | GRM36CK020B50PT | K22178289 | VERSION A | 6- | B | c4 |
| C 1385 | CHIP CAP. | 2pF | 50V | CK | GRM36CK020B50PT | K22178289 | VERSION A | 6- | B | c4 |
| C 1386 | CHIP CAP. | 47pF | 50V | CH | GRM36CH470J50PT | K22178228 | | 1-5 | B | c4 |
| C 1386 | CHIP CAP. | 56pF | 50V | CH | GRM36CH560J50PT | K22178230 | VERSION A | 6- | B | c4 |
| C 1386 | CHIP CAP. | 47pF | 50V | CH | GRM36CH470J50PT | K22178228 | VERSION D | 6- | B | c4 |
| C 1387 | CHIP CAP. | 10pF | 50V | CH | GRM36CH100D50PT | K22178212 | | 1- | B | c4 |
| C 1388 | CHIP CAP. | 4pF | 50V | CH | GRM36CH040C50PT | K22178206 | VERSION A | 6- | B | c4 |
| C 1389 | CHIP CAP. | 6pF | 50V | CH | GRM36CH060D50PT | K22178208 | | 1- | B | c4 |
| C 1391 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | b4 |
| C 1392 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | B | b4 |
| C 1393 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1- | B | f6 |
| C 1394 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | c4 |
| C 1395 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 1- | B | b4 |
| C 1396 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | A | I4 |
| C 1397 | CHIP CAP. | 6pF | 50V | CH | GRM36CH060D50PT | K22178208 | | 1-5 | B | c4 |
| C 1397 | CHIP CAP. | 8pF | 50V | CH | GRM36CH080D50PT | K22178210 | VERSION A | 6- | B | c4 |
| C 1397 | CHIP CAP. | 6pF | 50V | CH | GRM36CH060D50PT | K22178208 | VERSION D | 6- | B | c4 |
| C 1398 | CHIP CAP. | 1pF | 50V | CK | GRM36CK010B50PT | K22178287 | | 1-5 | B | c4 |
| C 1398 | CHIP CAP. | 6pF | 50V | CH | GRM36CH060D50PT | K22178208 | VERSION A | 6- | B | c4 |
| C 1398 | CHIP CAP. | 1pF | 50V | CK | GRM36CK010B50PT | K22178287 | VERSION D | 6- | B | c4 |
| C 1399 | CHIP CAP. | 33pF | 50V | CH | GRM36CH330J50PT | K22178224 | | 1- | B | b4 |
| C 1400 | CHIP CAP. | 5pF | 50V | CH | GRM36CH050C50PT | K22178207 | VERSION A | 6- | B | c4 |
| C 1402 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | B | c4 |
| C 1404 | CHIP CAP. | 0.0047uF | 25V | B | GRM36B472K25PT | K22148830 | | 1- | A | G7 |
| C 1405 | CHIP CAP. | 3pF | 50V | CJ | GRM36CJ030B50PT | K22178290 | | 1-5 | B | e5 |
| C 1405 | CHIP CAP. | 6pF | 50V | CH | GRM36CH060D50PT | K22178208 | VERSION A | 6- | B | e5 |
| C 1405 | CHIP CAP. | 3pF | 50V | CJ | GRM36CJ030B50PT | K22178290 | VERSION D | 6- | B | e5 |
| C 1406 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | A | C7 |
| C 1407 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | A | D7 |
| C 1408 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | A | D7 |
| C 1409 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | A | D6 |
| C 1410 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | A | D7 |
| C 1411 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | A | D6 |
| C 1412 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | A | D7 |
| C 1413 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | A | D6 |
| C 1414 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | A | D7 |
| C 1415 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | A | D6 |
| C 1417 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | A | D6 |

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-----------------|---------|-----|------|-------------------|-----------|-------|-----|------|---------|
| C 1418 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | A | D7 |
| C 1420 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | A | D7 |
| C 1421 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1- | A | B5 |
| C 1422 | AL.ELECTRO.CAP. | 100uF | 25V | | ECEV1EA101UP | K48140013 | | 1- | B | g3 |
| C 1423 | CHIP CAP. | 15pF | 50V | CH | GRM40CH150J50PT | K22170215 | | 1-5 | B | e3 |
| C 1424 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 1-5 | A | F4 |
| C 1425 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 1-5 | A | F4 |
| C 1429 | CHIP CAP. | 0.1uF | 10V | B | GRM36B104K10PT | K22108802 | | 6- | A | G3 |
| C 1430 | CHIP CAP. | 100pF | 50V | CH | GRM36CH101J50PT | K22178236 | | 6- | A | G3 |
| C 1431 | CHIP CAP. | 0.001uF | 50V | B | GRM36B102K50PT | K22178809 | | 6- | A | I5 |
| C 1432 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 6- | A | H5 |
| C 1433 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 6- | A | G4 |
| C 1435 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 6- | A | H5 |
| C 1438 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 6- | A | E6 |
| C 1439 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 6- | A | F5 |
| C 1440 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 6- | A | F5 |
| C 1441 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 6- | A | F5 |
| C 1442 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 6- | A | F4 |
| C 1443 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 6- | A | F4 |
| C 1444 | CHIP CAP. | 150pF | 50V | CH | GRM36CH151J50PT | K22178240 | | 6- | A | F5 |
| CD1001 | CERAMIC DISC | | | | ECDA450C24 | H7901460 | | 1- | B | a6 |
| CF1001 | CERAMIC FILTER | | | | ALFYM450E-002S2=K | H3900555 | | 1- | B | b7 |
| CF1002 | CERAMIC FILTER | | | | ALFYM450G-002S2=K | H3900557 | | 1- | B | b7 |
| D 1001 | DIODE | | | | UM9957F/TR | G2070562 | | 1 | B | a3 |
| D 1001 | DIODE | | | | XB15A709A0HR | G2070826 | | 2- | B | a3 |
| D 1002 | SURGE ABSORBER | | | | P6KA18 | Q9000721 | | 1- | A | C2 |
| D 1003 | DIODE | | | | 1SV279(TPH3) | G2070618 | | 1- | B | b4 |
| D 1004 | DIODE | | | | 1SV279(TPH3) | G2070618 | | 1- | B | b4 |
| D 1005 | DIODE | | | | UM9957F/TR | G2070562 | | 1 | B | a3 |
| D 1005 | DIODE | | | | XB15A709A0HR | G2070826 | | 2-5 | B | a3 |
| D 1005 | DIODE | | | | XB15A709A0HR | G2070826 | 50W | 6- | B | a3 |
| D 1006 | DIODE | | | | UM9957F/TR | G2070562 | | 1 | B | a3 |
| D 1006 | DIODE | | | | XB15A709A0HR | G2070826 | | 2- | B | a3 |
| D 1007 | DIODE | | | | 1SS400 TE61 | G2070634 | | 1- | A | F4 |
| D 1008 | DIODE | | | | 1SV279(TPH3) | G2070618 | | 1- | B | c4 |
| D 1009 | DIODE | | | | 1SV279(TPH3) | G2070618 | | 1- | B | c4 |
| D 1011 | DIODE | | | | 1SS400 TE61 | G2070634 | | 1- | A | F4 |
| D 1013 | DIODE | | | | HSM88AS TR | G2070170 | | 1- | B | c3 |
| D 1014 | DIODE | | | | HSM88AS TR | G2070170 | | 1- | B | c3 |
| D 1015 | DIODE | | | | 1SS400 TE61 | G2070634 | | 1- | B | b4 |
| D 1016 | DIODE | | | | 1SS400 TE61 | G2070634 | | 1- | A | H3 |
| D 1017 | DIODE | | | | 1SS400 TE61 | G2070634 | | 1- | A | H3 |
| D 1018 | DIODE | | | | 1SS400 TE61 | G2070634 | | 1- | B | h5 |
| D 1019 | DIODE | | | | UDZS TE-17 5.6B | G2070910 | | 1- | A | H3 |
| D 1020 | DIODE | | | | 1SS400 TE61 | G2070634 | | 1- | B | i5 |
| D 1021 | DIODE | | | | DA221 TL | G2070178 | | 1- | B | h5 |
| D 1022 | DIODE | | | | DAN222 TL | G2070174 | | 1- | B | d3 |
| D 1023 | DIODE | | | | 1SS400 TE61 | G2070634 | | 1- | B | e3 |
| D 1024 | DIODE | | | | DA221 TL | G2070178 | | 1- | A | G6 |
| D 1029 | DIODE | | | | DA221 TL | G2070178 | | 1- | A | F7 |
| D 1030 | DIODE | | | | HVC383B | G2070922 | | 1- | B | d5 |
| D 1031 | DIODE | | | | 1SS400 TE61 | G2070634 | | 1- | A | D4 |
| D 1033 | DIODE | | | | 1SS400 TE61 | G2070634 | | 1- | A | D3 |
| D 1035 | DIODE | | | | HVC383B | G2070922 | | 1- | B | e5 |
| D 1036 | DIODE | | | | HVC383B | G2070922 | | 1- | B | e5 |
| D 1037 | DIODE | | | | HVC383B | G2070922 | | 1- | B | e5 |
| D 1038 | DIODE | | | | DA221 TL | G2070178 | | 1- | B | a6 |
| D 1039 | DIODE | | | | HVC383B | G2070922 | | 1- | B | e5 |
| D 1040 | DIODE | | | | 1SS400 TE61 | G2070634 | | 1- | B | e4 |
| D 1043 | DIODE | | | | HVC383B | G2070922 | | 1- | B | e5 |
| D 1044 | DIODE | | | | DA221 TL | G2070178 | | 1- | A | C6 |
| D 1045 | DIODE | | | | DAN222 TL | G2070174 | | 1- | B | a6 |
| D 1046 | DIODE | | | | HVC383B | G2070922 | | 1- | B | e5 |
| D 1047 | DIODE | | | | UDZS TE-17 16B | G2070914 | | 1- | A | B2 |
| D 1048 | DIODE | | | | DAN222 TL | G2070174 | | 1- | B | c7 |
| D 1049 | DIODE | | | | 1SS400 TE61 | G2070634 | | 1- | A | B6 |
| D 1050 | DIODE | | | | UDZS TE-17 16B | G2070914 | | 1- | B | i1 |
| D 1051 | DIODE | | | | 1SS400 TE61 | G2070634 | | 1- | B | d7 |
| D 1052 | DIODE | | | | DAN222 TL | G2070174 | | 1- | A | I7 |
| D 1053 | DIODE | | | | UDZS TE-17 16B | G2070914 | | 1- | B | i2 |
| D 1054 | DIODE | | | | DAN222 TL | G2070174 | | 1- | A | I7 |
| D 1055 | DIODE | | | | UDZS TE-17 16B | G2070914 | | 1- | B | i2 |
| D 1057 | DIODE | | | | DA221 TL | G2070178 | | 1- | A | B2 |

RF Unit

Parts List

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|----------------|----------|-------|------|-----------------|-----------|-------|-----|------|---------|
| D 1058 | DIODE | | | | DA221 TL | G2070178 | | 1- | A | A2 |
| D 1059 | DIODE | | | | DA221 TL | G2070178 | | 1- | A | I7 |
| D 1060 | DIODE | | | | DA221 TL | G2070178 | | 1- | A | B2 |
| D 1061 | DIODE | | | | DA221 TL | G2070178 | | 1- | A | I7 |
| D 1062 | DIODE | | | | UDZS TE-17 16B | G2070914 | | 1- | B | i2 |
| D 1063 | DIODE | | | | UDZS TE-17 16B | G2070914 | | 1- | B | i1 |
| D 1064 | DIODE | | | | UDZS TE-17 16B | G2070914 | | 1- | B | i2 |
| D 1065 | DIODE | | | | UDZS TE-17 16B | G2070914 | | 1- | B | i2 |
| D 1066 | DIODE | | | | UDZS TE-17 16B | G2070914 | | 1- | B | i2 |
| D 1067 | DIODE | | | | DA221 TL | G2070178 | | 1- | B | e3 |
| D 1068 | DIODE | | | | 1SS400 TE61 | G2070634 | | 1- | B | h6 |
| D 1069 | SURGE ABSORBER | | | | DSP201M-S00B | Q9000375 | | 1 | A | G3 |
| F 1001 | CHIP FUSE | 0.25A | | | 0434.250 0.25A | Q0000106 | | 1- | A | C3 |
| FB1001 | FERRITE BEADS | | | | SMB304729 | L9190094 | | 1- | B | i2 |
| FB1002 | FERRITE BEADS | | | | SMB304729 | L9190094 | | 1- | A | F3 |
| J 1001 | CONNECTOR | | | | 53398-0390 | P0091192 | | 1- | A | B3 |
| J 1002 | CONNECTOR | | | | 53398-0290 | P0091191 | | 1- | A | B3 |
| J 1003 | CONNECTOR | | | | 18FLT-SM1-TB | P1091176 | | 1- | A | D7 |
| J 1004 | CONNECTOR | | | | AXK6S40535P | P0091209 | | 1- | A | D5 |
| J 1005 | CONNECTOR | | | | AE0195-00 | P1091177 | | 1- | A | B1 |
| J 1006 | EARTH TERMINAL | | | | 415CSS-098-51 | S5000230 | | 1- | B | b5 |
| J 1007 | EARTH TERMINAL | | | | 415CSS-098-51 | S5000230 | | 1- | B | b4 |
| J 1008 | EARTH TERMINAL | | | | 415CSS-098-51 | S5000230 | | 1- | B | a4 |
| J 1009 | EARTH TERMINAL | | | | 415CSS-098-51 | S5000230 | | 1- | B | d4 |
| J 1010 | EARTH TERMINAL | | | | 415CSS-098-51 | S5000230 | | 1- | B | a4 |
| J 1011 | EARTH TERMINAL | | | | 415CSS-098-51 | S5000230 | | 1- | B | c4 |
| J 1012 | EARTH TERMINAL | | | | 415CSS-098-51 | S5000230 | | 1- | B | c5 |
| J 1013 | EARTH TERMINAL | | | | 415CSS-098-51 | S5000230 | | 1- | B | a5 |
| JP1001 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16 000JATP | J24185000 | | 1- | A | C3 |
| JP1002 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16 000JATP | J24185000 | | 1- | A | D6 |
| JP1003 | WIRE ASSY | | | | GRN 20 2/2 | T50502000 | | 1 | A | D7 |
| JP1005 | WIRE ASSY | | | | GRN 120 2/2 | T50512000 | | 1-5 | | |
| L 1001 | COIL | 0.015uH | | | AS0803-15NK | L0022536 | | 1- | B | a2 |
| L 1002 | COIL | 0.014uH | | | AS050425-14NK | L0022583 | | 1- | B | a3 |
| L 1003 | COIL | 0.033uH | | | AS0804-33NK | L0022538 | | 1- | A | I1 |
| L 1004 | COIL | 0.015uH | | | AS1203-15NK | L0022543 | | 1- | B | b1 |
| L 1005 | COIL | 0.015uH | | | AS1203-15NK | L0022543 | | 1- | B | b2 |
| L 1006 | COIL | 0.015uH | | | AS1203-15NK | L0022543 | | 1- | B | a2 |
| L 1007 | COIL | 0.0068uH | | | AS100240-6R8N | L0022656 | | 1- | B | b3 |
| L 1008 | COIL | 0.056uH | | | AS0806-56NK | L0022540 | | 1- | A | G3 |
| L 1009 | M.RFC | 0.082uH | | | HK1608 82NJ-T | L1690527 | | 1- | B | b4 |
| L 1010 | COIL | 0.012uH | | | AS030321-12NJ | L0022819 | | 1- | B | c4 |
| L 1011 | COIL | 0.012uH | | | AS030321-12NJ | L0022819 | | 1- | B | c4 |
| L 1012 | COIL | 0.014uH | | | AS050425-14NJ | L0022827 | | 1- | B | c4 |
| L 1013 | COIL | 0.014uH | | | AS050425-14NK | L0022583 | | 1- | B | c4 |
| L 1014 | M.RFC | 0.082uH | | | HK1608 82NJ-T | L1690527 | | 1- | B | d3 |
| L 1015 | M.RFC | 0.082uH | | | HK1608 82NJ-T | L1690527 | | 1- | B | e3 |
| L 1016 | M.RFC | 0.027uH | | | HK1608 27NJ-T | L1690521 | | 1- | B | d5 |
| L 1017 | M.RFC | 0.033uH | | | HK1608 33NJ-T | L1690522 | | 1- | B | d5 |
| L 1018 | M.RFC | 1uH | | | LK1608 1R0K-T | L1690687 | | 1- | B | c5 |
| L 1019 | M.RFC | 0.027uH | | | HK1608 27NJ-T | L1690521 | | 1- | B | d5 |
| L 1020 | M.RFC | 1uH | | | LK1608 1R0K-T | L1690687 | | 1- | B | d7 |
| L 1022 | M.RFC | 1uH | | | LK1608 1R0K-T | L1690687 | | 1- | B | d7 |
| L 1024 | M.RFC | 0.68uH | | | LK1608 R68K-T | L1690416 | | 1- | B | b5 |
| L 1025 | M.RFC | 0.0022uH | | | HK1608 2N2S-T | L1690508 | | 1- | B | d5 |
| L 1026 | M.RFC | 3.3uH | | | LK1608 3R3K-T | L1690686 | | 1- | B | b5 |
| L 1027 | CHIP COIL | 68uH | | | LQH32MN680K23L | L1690097 | | 1- | B | h5 |
| L 1028 | M.RFC | 0.022uH | | | HK1608 22NJ-T | L1690520 | | 1- | B | e4 |
| L 1029 | M.RFC | 0.082uH | | | HK1608 82NJ-T | L1690527 | | 1- | B | e4 |
| L 1030 | M.RFC | 1uH | | | LK1608 1R0K-T | L1690687 | | 1- | B | e6 |
| L 1031 | M.RFC | 3.3uH | | | LK1608 3R3K-T | L1690686 | | 1- | B | b5 |
| L 1032 | M.RFC | 0.68uH | | | LK1608 R68K-T | L1690416 | | 1- | B | b5 |
| L 1033 | M.RFC | 6.8uH | | | LK1608 6R8K-T | L1690632 | | 1- | B | b5 |
| L 1034 | M.RFC | 1uH | | | LK1608 1R0K-T | L1690687 | | 1- | B | b6 |
| L 1035 | COIL | 0.0195uH | | | AS050525-19R5NJ | L0022849 | | 1- | B | e5 |
| L 1036 | M.RFC | 0.027uH | | | HK1608 27NJ-T | L1690521 | | 1- | B | c7 |
| L 1037 | M.RFC | 0.33uH | | 2% | C1608CA-R33G | L1691106 | | 1- | B | e5 |
| L 1038 | M.RFC | 1uH | | | LK1608 1R0K-T | L1690687 | | 1- | B | a6 |
| L 1039 | M.RFC | 0.027uH | | | HK1608 27NJ-T | L1690521 | | 1- | B | c7 |
| L 1042 | M.RFC | 0.33uH | | 2% | C1608CA-R33G | L1691106 | | 1- | B | e5 |
| L 1043 | M.RFC | 1uH | | | LK1608 1R0K-T | L1690687 | | 1- | B | e5 |
| L 1044 | CHIP COIL | 22uH | | | LQH32MN220K23L | L1690091 | | 1- | A | C7 |
| L 1045 | M.RFC | 0.15uH | | | HK1608 R15J-T | L1690938 | | 1- | A | J6 |

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|----------|-----|------|------------------|-----------|--|-----|------|---------|
| L 1046 | COIL | 0.014uH | | | AS050425-14NJ | L0022827 | VERSION A VERSION D | 1- | B | a4 |
| L 1047 | COIL | 0.014uH | | | AS050425-14NJ | L0022827 | | 1- | B | a4 |
| L 1048 | COIL | 0.012uH | | | AS030321-12NJ | L0022819 | | 1- | B | b4 |
| L 1049 | COIL | 0.012uH | | | AS030321-12NJ | L0022819 | | 1- | B | b4 |
| L 1050 | M.RFC | 0.0047uH | | | HK1608 4N7S-T | L1690512 | | 1- | B | b4 |
| L 1051 | M.RFC | 0.22uH | | | HK1608 R22J-T | L1690940 | | 1- | B | e5 |
| L 1052 | M.RFC | 0.22uH | | | HK1608 R22J-T | L1690940 | | 1- | B | e5 |
| L 1053 | M.RFC | 0.082uH | | | HK1608 82NJ-T | L1690527 | | 1- | B | e3 |
| L 1055 | COIL | 0.014uH | | | AS050425-14NJ | L0022827 | | 1-5 | B | e5 |
| L 1055 | COIL | 0.017uH | | | AS030616-17NK | L0022678 | | 6- | B | e5 |
| L 1055 | COIL | 0.014uH | | | AS050425-14NJ | L0022827 | VERSION D | 6- | B | e5 |
| L 1056 | M.RFC | 0.22uH | | | HK1608 R22J-T | L1690940 | | 1- | B | e5 |
| L 1057 | M.RFC | 0.22uH | | | HK1608 R22J-T | L1690940 | | 1- | B | d5 |
| Q 1001 | TRANSISTOR | | | | DTC114TE TL | G3070225 | 25W VER.A 25W VER.D 45W VER A 45W VER D | 1- | B | h5 |
| Q 1004 | IC | | | | NJM7808DL1A(TE1) | G1093802 | | 1- | A | C4 |
| Q 1005 | IC | | | | TDA1519CTH | G1093778 | | 1- | B | i3 |
| Q 1006 | FET | | | | RTQ030P02 | G4070015 | | 1- | A | C3 |
| Q 1007 | TRANSISTOR | | | | DTA144EE TL | G3070074 | | 1- | A | C3 |
| Q 1009 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | A | A3 |
| Q 1010 | FET | | | | RTQ030P02 | G4070015 | | 1- | A | F3 |
| Q 1011 | TRANSISTOR | | | | DTC114TE TL | G3070225 | | 1- | A | D3 |
| Q 1012 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | A | C3 |
| Q 1013 | TRANSISTOR | | | | UMG2N TR | G3070088 | | 1- | A | F4 |
| Q 1014 | IC | | | | NJU4053BV-TE1 | G1092927 | | 1- | A | C6 |
| Q 1014 | IC | | | | CD4053BPWR | G1093864 | | 6- | A | C6 |
| Q 1015 | FET | | | | RTQ030P02 | G4070015 | | 1- | A | F4 |
| Q 1016 | IC | | | | NJU4053BV-TE1 | G1092927 | | 1- | A | C6 |
| Q 1016 | IC | | | | CD4053BPWR | G1093864 | | 6- | A | C6 |
| Q 1017 | TRANSISTOR | | | | UN911F-(TX) | G3070150 | | 1- | A | F4 |
| Q 1018 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | A | F3 |
| Q 1019 | TRANSISTOR | | | | DTC114TE TL | G3070225 | | 1- | A | F4 |
| Q 1020 | TRANSISTOR | | | | 2SA1774 TL R | G3117748R | | 1- | A | H4 |
| Q 1021 | IC | | | | LA8630M-B-TE-R | G1093452 | | 1- | B | g6 |
| Q 1022 | TRANSISTOR | | | | 2SC3357-T2 RF | G3333577F | | 1- | B | b4 |
| Q 1023 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | B | h6 |
| Q 1024 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | B | g5 |
| Q 1025 | TRANSISTOR | | | | 2SC4617 TL R | G3346178R | | 1- | B | i6 |
| Q 1026 | TRANSISTOR | | | | 2SC4617 TL R | G3346178R | | 1- | B | j5 |
| Q 1027 | TRANSISTOR | | | | 2SC4617 TL R | G3346178R | | 1- | B | i5 |
| Q 1028 | IC | | | | RA45H4452M-01 | G1093821 | | 1-5 | A | D1 |
| Q 1028 | IC | | | | S-AU83L | G1093920 | | 6- | A | D1 |
| Q 1028 | IC | | | | RA30H4452M-22 | G1093885 | | 6- | A | D1 |
| Q 1028 | IC | | | | RA45H4047M-01 | G1093848 | | 6- | A | D1 |
| Q 1028 | IC | | | | RA45H4452M-01 | G1093821 | | 6- | A | D1 |
| Q 1029 | IC | | | | M62364FP 600D | G1093033 | | 1- | A | E7 |
| Q 1030 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | B | i5 |
| Q 1031 | TRANSISTOR | | | | DTA124EE TL | G3070116 | | 1- | B | i5 |
| Q 1032 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | B | g6 |
| Q 1033 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | A | H3 |
| Q 1034 | IC | | | | BD6111FV-E2 | G1093746 | | 1- | B | f3 |
| Q 1035 | IC | | | | SPM5001 | G1093686 | | 1- | B | c6 |
| Q 1036 | IC | | | | NJM2125F(TAPE) | G1093894 | | 1- | B | f3 |
| Q 1037 | IC | | | | AK2345(TAPE) | G1093184 | | 1- | B | e7 |
| Q 1038 | TRANSISTOR | | | | 2SC5226-4-TL | G3352268D | | 1- | B | d3 |
| Q 1039 | TRANSISTOR | | | | UMC5N TR | G3070137 | | 1- | A | F4 |
| Q 1044 | TRANSISTOR | | | | 2SA1774 TL R | G3117748R | | 1- | B | e3 |
| Q 1045 | TRANSISTOR | | | | DTC114TE TL | G3070225 | | 1- | B | h5 |
| Q 1046 | TRANSISTOR | | | | 2SC3357-T2 RF | G3333577F | | 1- | B | b5 |
| Q 1047 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | B | e4 |
| Q 1049 | TRANSISTOR | | | | 2SC5226-4-TL | G3352268D | | 1- | B | e4 |
| Q 1051 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | A | C5 |
| Q 1053 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | B | e5 |
| Q 1054 | FET | | | | 2SK508-T2B K52 | G3805087B | | 1- | B | e5 |
| Q 1055 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | B | b6 |
| Q 1056 | TRANSISTOR | | | | DTC114TE TL | G3070225 | | 1- | B | d4 |
| Q 1057 | TRANSISTOR | | | | 2SC5226-4-TL | G3352268D | | 1- | B | c6 |
| Q 1058 | TRANSISTOR | | | | 2SC3356-T2B R24 | G3333567D | | 1- | B | e5 |
| Q 1059 | TRANSISTOR | | | | 2SC5226-4-TL | G3352268D | | 1- | B | a5 |
| Q 1060 | IC | | | | TAR5S35(TE85L) | G1093939 | | 1- | A | D5 |
| Q 1061 | TRANSISTOR | | | | XN1501-(TX) | G3070149 | | 1- | B | g4 |
| Q 1062 | TRANSISTOR | | | | 2SB1201S-TL | G3070195 | | 1- | B | g4 |
| Q 1063 | IC | | | | BU4066BCFV-E2 | G1093537 | | 1- | A | D6 |
| Q 1063 | IC | | | | CD4066BPWR | G1093865 | | 6- | A | D6 |

RF Unit

Parts List

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-------|------|--------------------|-----------|------------------------|-----|------|---------|
| Q 1064 | IC | | | | LC73881M-TLM | G1092755 | | 1- | B | h6 |
| Q 1065 | IC | | | | S-80835CNMC-B8U-T2 | G1093606 | | 1- | A | C6 |
| Q 1066 | IC | | | | NJM12902V(Te1) | G1093592 | | 1- | A | C4 |
| Q 1067 | TRANSISTOR | | | | 2SC4617 TL R | G3346178R | | 1- | B | e4 |
| Q 1068 | IC | | | | BU4066BCFV-E2 | G1093537 | | 1- | A | C5 |
| Q 1068 | IC | | | | CD4066BPWR | G1093865 | | 6- | A | C5 |
| Q 1069 | IC | | | | TAR5S50(Te85L) | G1093914 | | 1- | A | D4 |
| Q 1070 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | A | J5 |
| Q 1071 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | A | A2 |
| Q 1071 | FET | | | | 3LN01S(TAPE) | G3070330 | | 6- | A | A2 |
| Q 1072 | TRANSISTOR | | | | 2SC4617 TL R | G3346178R | | 1- | A | C6 |
| Q 1073 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | A | A2 |
| Q 1074 | IC | | | | NJM12902V(Te1) | G1093592 | | 1- | A | F7 |
| Q 1075 | TRANSISTOR | | | | DTC114TE TL | G3070225 | | 1- | A | C7 |
| Q 1076 | IC | | | | NJM12902V(Te1) | G1093592 | | 1- | A | G7 |
| Q 1077 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | A | A1 |
| Q 1077 | FET | | | | 3LN01S(TAPE) | G3070330 | | 6- | A | A1 |
| Q 1078 | FET | | | | 2SK880GR TE85R | G3808807G | | 1- | B | c6 |
| Q 1079 | IC | | | | TA31136FN(EL) | G1091605 | | 1- | A | J6 |
| Q 1080 | IC | | | | BR93L66RFVM-WTR | G1093874 | | 1- | A | A6 |
| Q 1081 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | A | A1 |
| Q 1082 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | A | B2 |
| Q 1082 | FET | | | | 3LN01S(TAPE) | G3070330 | | 6- | A | B2 |
| Q 1083 | IC | | | | LC87F74C8A-TQFP-E | ✖ | | 1- | A | B5 |
| Q 1084 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | A | B2 |
| Q 1085 | IC | | | | SA7025DK | G1093014 | | 1- | B | c7 |
| Q 1086 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | A | B2 |
| Q 1086 | FET | | | | 3LN01S(TAPE) | G3070330 | | 6- | A | B2 |
| Q 1087 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | A | A2 |
| Q 1088 | IC | | | | NJM12902V(Te1) | G1093592 | | 1- | B | f7 |
| Q 1089 | IC | | | | NJM12902V(Te1) | G1093592 | | 1- | A | F7 |
| Q 1091 | TRANSISTOR | | | | 2SC4617 TL R | G3346178R | | 1- | A | I6 |
| Q 1092 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | A | J7 |
| Q 1093 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | A | J7 |
| Q 1094 | TRANSISTOR | | | | 2SC3357-T2 RF | G3333577F | | 1- | B | e3 |
| Q 1095 | IC | | | | NJM12902V(Te1) | G1093592 | | 1- | A | H3 |
| Q 1096 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | A | A1 |
| R 1001 | CHIP RES. | 68 | 1/16W | 5% | RMC1/16S 680JTH | J24189011 | VERSION A VERSION D | 1-5 | B | d3 |
| R 1001 | CHIP RES. | 56 | 1/16W | 5% | RMC1/16S 560JTH | J24189010 | | 6- | B | d3 |
| R 1001 | CHIP RES. | 68 | 1/16W | 5% | RMC1/16S 680JTH | J24189011 | | 6- | B | d3 |
| R 1002 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | d3 |
| R 1004 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | A | C5 |
| R 1005 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | j3 |
| R 1006 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | A | C4 |
| R 1007 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | A | C3 |
| R 1008 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | C4 |
| R 1009 | CHIP RES. | 680k | 1/16W | 5% | RMC1/16S 684JTH | J24189059 | | 1- | A | C4 |
| R 1010 | CHIP RES. | 4.7k | 1/16W | 5% | RMC1/16S 472JTH | J24189033 | | 1- | A | G3 |
| R 1011 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | A | F4 |
| R 1012 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | F4 |
| R 1013 | CHIP RES. | 680k | 1/16W | 5% | RMC1/16S 684JTH | J24189059 | | 1- | A | C5 |
| R 1014 | CHIP RES. | 180k | 1/16W | 5% | RMC1/16S 184JTH | J24189052 | | 1- | A | C5 |
| R 1015 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | B | b4 |
| R 1017 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | j4 |
| R 1018 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | j4 |
| R 1019 | CHIP RES. | 4.7k | 1/16W | 5% | RMC1/16S 472JTH | J24189033 | | 1- | A | C5 |
| R 1020 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | B | c4 |
| R 1022 | CHIP RES. | 270k | 1/16W | 5% | RMC1/16S 274JTH | J24189054 | | 1- | A | D6 |
| R 1023 | CHIP RES. | 100 | 1W | 5% | RMC1 101JTE | J24305101 | | 1- | A | G3 |
| R 1024 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | A | F4 |
| R 1025 | CHIP RES. | 100 | 1/4W | 5% | RMC1/4 101JATP | J24245101 | | 1- | B | b3 |
| R 1026 | CHIP RES. | 82k | 1/16W | 5% | RMC1/16S 823JTH | J24189048 | | 1- | A | C6 |
| R 1027 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | B | b4 |
| R 1028 | CHIP RES. | 18k | 1/16W | 5% | RMC1/16S 183JTH | J24189040 | | 1- | A | C6 |
| R 1029 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | F4 |
| R 1031 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | C5 |
| R 1032 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | g6 |
| R 1033 | CHIP RES. | 4.7k | 1/16W | 5% | RMC1/16S 472JTH | J24189033 | | 1-5 | B | c3 |
| R 1033 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16S 222JTH | J24189029 | 25W VER.A | 6- | B | c3 |
| R 1033 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16S 222JTH | J24189029 | 25W VER.D | 6- | B | c3 |
| R 1033 | CHIP RES. | 3.9k | 1/16W | 5% | RMC1/16S 392JTH | J24189032 | 45W VER A | 6- | B | c3 |
| R 1033 | CHIP RES. | 4.7k | 1/16W | 5% | RMC1/16S 472JTH | J24189033 | 45W VER D | 6- | B | c3 |
| R 1034 | CHIP RES. | 100 | 1/4W | 5% | RMC1/4 101JATP | J24245101 | | 1- | B | c3 |

✖: Please contact Vertex Standard

RF Unit

Parts List

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-------|------|-----------------|-----------|-----------|-----|------|---------|
| R 1035 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16S 222JTH | J24189029 | | 1- | B | c3 |
| R 1036 | CHIP RES. | 4.7k | 1/16W | 5% | RMC1/16S 472JTH | J24189033 | | 1- | A | H4 |
| R 1037 | CHIP RES. | 18k | 1/16W | 5% | RMC1/16S 183JTH | J24189040 | | 1- | A | H4 |
| R 1038 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | D6 |
| R 1039 | CHIP RES. | 220k | 1/16W | 5% | RMC1/16S 224JTH | J24189053 | | 1- | B | c3 |
| R 1040 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | b4 |
| R 1041 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | i5 |
| R 1042 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | D6 |
| R 1043 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | A | H3 |
| R 1044 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | j5 |
| R 1045 | CHIP RES. | 4.7k | 1/16W | 5% | RMC1/16S 472JTH | J24189033 | | 1-5 | B | c3 |
| R 1045 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16S 222JTH | J24189029 | 25W VER.A | 6- | B | c3 |
| R 1045 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16S 222JTH | J24189029 | 25W VER.D | 6- | B | c3 |
| R 1045 | CHIP RES. | 3.9k | 1/16W | 5% | RMC1/16S 392JTH | J24189032 | 45W VER A | 6- | B | c3 |
| R 1045 | CHIP RES. | 4.7k | 1/16W | 5% | RMC1/16S 472JTH | J24189033 | 45W VER D | 6- | B | c3 |
| R 1047 | CHIP RES. | 560 | 1/16W | 5% | RMC1/16S 561JTH | J24189022 | | 1- | B | b4 |
| R 1048 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | A | H3 |
| R 1049 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | A | H3 |
| R 1050 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | j5 |
| R 1051 | CHIP RES. | 18 | 1/16W | 5% | RMC1/16S 180JTH | J24189004 | | 1- | B | b4 |
| R 1052 | CHIP RES. | 18k | 1/16W | 5% | RMC1/16S 183JTH | J24189040 | | 1- | A | C5 |
| R 1053 | CHIP RES. | 390k | 1/16W | 5% | RMC1/16S 394JTH | J24189056 | | 1- | A | C5 |
| R 1054 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16S 222JTH | J24189029 | | 1- | B | c3 |
| R 1055 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | g6 |
| R 1056 | CHIP RES. | 330k | 1/16W | 5% | RMC1/16S 334JTH | J24189055 | | 1- | B | f6 |
| R 1057 | CHIP RES. | 220k | 1/16W | 5% | RMC1/16S 224JTH | J24189053 | | 1- | B | f7 |
| R 1058 | CHIP RES. | 3.3k | 1/16W | 5% | RMC1/16S 332JTH | J24189031 | | 1- | B | g5 |
| R 1060 | CHIP RES. | 33k | 1/16W | 5% | RMC1/16S 333JTH | J24189043 | | 1- | B | g4 |
| R 1061 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | h6 |
| R 1062 | CHIP RES. | 47 | 1/16W | 5% | RMC1/16S 470JTH | J24189009 | | 1- | A | H4 |
| R 1064 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | B | c4 |
| R 1066 | CHIP RES. | 150k | 1/16W | 5% | RMC1/16S 154JTH | J24189051 | | 1- | A | H3 |
| R 1067 | CHIP RES. | 560k | 1/16W | 5% | RMC1/16S 564JTH | J24189058 | | 1- | B | f6 |
| R 1068 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | g5 |
| R 1069 | CHIP RES. | 56k | 1/16W | 5% | RMC1/16S 563JTH | J24189046 | | 1- | B | g4 |
| R 1070 | CHIP RES. | 5.6k | 1/16W | 5% | RMC1/16S 562JTH | J24189034 | | 1- | B | f7 |
| R 1071 | CHIP RES. | 39k | 1/16W | 5% | RMC1/16S 393JTH | J24189044 | | 1- | B | f7 |
| R 1072 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16S 222JTH | J24189029 | | 1- | A | I3 |
| R 1073 | CHIP RES. | 4.7k | 1/16W | 5% | RMC1/16S 472JTH | J24189033 | | 1- | A | I3 |
| R 1074 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | f6 |
| R 1075 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | A | I3 |
| R 1076 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | A | D5 |
| R 1078 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | i6 |
| R 1079 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | A | E6 |
| R 1080 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | f7 |
| R 1081 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | A | F6 |
| R 1083 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | i5 |
| R 1084 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | i5 |
| R 1085 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | A | D5 |
| R 1087 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | A | F6 |
| R 1088 | CHIP RES. | 18k | 1/16W | 5% | RMC1/16S 183JTH | J24189040 | | 1- | B | i6 |
| R 1089 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | A | D6 |
| R 1090 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | H3 |
| R 1092 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | F6 |
| R 1093 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16S 222JTH | J24189029 | | 1 | A | H3 |
| R 1093 | CHIP RES. | 2.7k | 1/16W | 5% | RMC1/16S 272JTH | J24189030 | | 2-5 | A | H3 |
| R 1093 | CHIP RES. | 2.7k | 1/16W | 5% | RMC1/16S 272JTH | J24189030 | 25W VER.D | 6- | A | H3 |
| R 1093 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16S 222JTH | J24189029 | 45W VER A | 6- | A | H3 |
| R 1093 | CHIP RES. | 2.7k | 1/16W | 5% | RMC1/16S 272JTH | J24189030 | 45W VER D | 6- | A | H3 |
| R 1094 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | A | D6 |
| R 1095 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | j5 |
| R 1096 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | B | d4 |
| R 1097 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16S 222JTH | J24189029 | | 1- | B | i5 |
| R 1099 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | F6 |
| R 1100 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | f6 |
| R 1101 | CHIP RES. | 5.6k | 1/16W | 5% | RMC1/16S 562JTH | J24189034 | | 1- | A | F6 |
| R 1103 | CHIP RES. | 8.2k | 1/16W | 5% | RMC1/16S 822JTH | J24189036 | | 1- | A | F6 |
| R 1104 | CHIP RES. | 39k | 1/16W | 5% | RMC1/16S 393JTH | J24189044 | | 1- | A | D6 |
| R 1105 | CHIP RES. | 1M | 1/16W | 5% | RMC1/16S 105JTH | J24189061 | | 1- | B | f6 |
| R 1106 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16S 222JTH | J24189029 | | 1- | A | F7 |
| R 1107 | CHIP RES. | 3.9k | 1/16W | 5% | RMC1/16S 392JTH | J24189032 | | 1- | B | d2 |
| R 1108 | CHIP RES. | 33k | 1/16W | 5% | RMC1/16S 333JTH | J24189043 | | 1- | A | F6 |
| R 1109 | CHIP RES. | 39k | 1/16W | 5% | RMC1/16S 393JTH | J24189044 | | 1- | A | D6 |

RF Unit

Parts List

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-------|------|-----------------|-----------|-------|-----|------|---------|
| R 1110 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | B | c5 |
| R 1111 | CHIP RES. | 180k | 1/16W | 5% | RMC1/16S 184JTH | J24189052 | | 1- | A | E7 |
| R 1112 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | F6 |
| R 1113 | CHIP RES. | 470 | 1/16W | 5% | RMC1/16S 471JTH | J24189021 | | 1- | B | d3 |
| R 1114 | CHIP RES. | 390 | 1/16W | 5% | RMC1/16S 391JTH | J24189020 | | 1- | B | e3 |
| R 1115 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | B | e7 |
| R 1116 | CHIP RES. | 330k | 1/16W | 5% | RMC1/16S 334JTH | J24189055 | | 1- | A | G6 |
| R 1117 | CHIP RES. | 330k | 1/16W | 5% | RMC1/16S 334JTH | J24189055 | | 1- | A | F6 |
| R 1118 | CHIP RES. | 470 | 1/16W | 5% | RMC1/16S 471JTH | J24189021 | | 1- | B | e7 |
| R 1119 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | B | c6 |
| R 1120 | CHIP RES. | 330k | 1/16W | 5% | RMC1/16S 334JTH | J24189055 | | 1- | A | F6 |
| R 1121 | CHIP RES. | 220k | 1/16W | 5% | RMC1/16S 224JTH | J24189053 | | 1- | A | F7 |
| R 1122 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | A | E7 |
| R 1123 | CHIP RES. | 150k | 1/16W | 5% | RMC1/16S 154JTH | J24189051 | | 1- | B | e7 |
| R 1124 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | f3 |
| R 1125 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | e3 |
| R 1126 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | B | d6 |
| R 1127 | CHIP RES. | 270k | 1/16W | 5% | RMC1/16S 274JTH | J24189054 | | 1- | A | D6 |
| R 1128 | CHIP RES. | 470k | 1/16W | 5% | RMC1/16S 474JTH | J24189057 | | 1- | A | F6 |
| R 1129 | CHIP RES. | 15k | 1/16W | 5% | RMC1/16S 153JTH | J24189039 | | 1- | B | e7 |
| R 1130 | CHIP RES. | 270k | 1/16W | 5% | RMC1/16S 274JTH | J24189054 | | 1- | A | F7 |
| R 1131 | CHIP RES. | 1.8k | 1/16W | 5% | RMC1/16S 182JTH | J24189028 | | 1- | B | e7 |
| R 1132 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | B | d7 |
| R 1133 | CHIP RES. | 150k | 1/16W | 5% | RMC1/16S 154JTH | J24189051 | | 1- | B | e7 |
| R 1134 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | B | f3 |
| R 1135 | CHIP RES. | 390k | 1/16W | 5% | RMC1/16S 394JTH | J24189056 | | 1- | B | e7 |
| R 1136 | CHIP RES. | 56k | 1/16W | 5% | RMC1/16S 563JTH | J24189046 | | 1- | B | e6 |
| R 1137 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | d3 |
| R 1138 | CHIP RES. | 180k | 1/16W | 5% | RMC1/16S 184JTH | J24189052 | | 1- | B | e3 |
| R 1139 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | B | d7 |
| R 1140 | CHIP RES. | 120k | 1/16W | 5% | RMC1/16S 124JTH | J24189050 | | 1- | B | d7 |
| R 1141 | CHIP RES. | 39k | 1/16W | 5% | RMC1/16S 393JTH | J24189044 | | 1- | B | f3 |
| R 1142 | CHIP RES. | 470k | 1/16W | 5% | RMC1/16S 474JTH | J24189057 | | 1- | A | F6 |
| R 1143 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | B | e7 |
| R 1144 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | e7 |
| R 1145 | CHIP RES. | 330k | 1/16W | 5% | RMC1/16S 334JTH | J24189055 | | 1- | A | G6 |
| R 1146 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | e6 |
| R 1147 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | e6 |
| R 1149 | CHIP RES. | 18 | 1/16W | 5% | RMC1/16S 180JTH | J24189004 | | 1- | B | e3 |
| R 1150 | CHIP RES. | 3.9k | 1/16W | 5% | RMC1/16S 392JTH | J24189032 | | 1- | B | d6 |
| R 1151 | CHIP RES. | 330k | 1/16W | 5% | RMC1/16S 334JTH | J24189055 | | 1- | A | G7 |
| R 1152 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | F6 |
| R 1153 | CHIP RES. | 150k | 1/16W | 5% | RMC1/16S 154JTH | J24189051 | | 1- | B | d6 |
| R 1154 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | B | c5 |
| R 1155 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | B | d3 |
| R 1156 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16S 222JTH | J24189029 | | 1- | B | e3 |
| R 1157 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | e6 |
| R 1158 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | B | d6 |
| R 1159 | CHIP RES. | 1M | 1/16W | 5% | RMC1/16S 105JTH | J24189061 | | 1- | A | G6 |
| R 1160 | CHIP RES. | 15k | 1/16W | 5% | RMC1/16S 153JTH | J24189039 | | 1- | B | d6 |
| R 1161 | CHIP RES. | 18 | 1/16W | 5% | RMC1/16S 180JTH | J24189004 | | 1- | B | e3 |
| R 1162 | CHIP RES. | 1M | 1/16W | 5% | RMC1/16S 105JTH | J24189061 | | 1- | A | F6 |
| R 1164 | CHIP RES. | 1M | 1/16W | 5% | RMC1/16S 105JTH | J24189061 | | 1- | B | h5 |
| R 1165 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | B | c5 |
| R 1166 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | A | G6 |
| R 1167 | CHIP RES. | 33k | 1/16W | 5% | RMC1/16S 333JTH | J24189043 | | 1- | A | G6 |
| R 1168 | CHIP RES. | 560k | 1/16W | 5% | RMC1/16S 564JTH | J24189058 | | 1- | A | F6 |
| R 1169 | CHIP RES. | 1.2k | 1/16W | 5% | RMC1/16S 122JTH | J24189026 | | 1- | B | b6 |
| R 1170 | CHIP RES. | 560k | 1/16W | 5% | RMC1/16S 564JTH | J24189058 | | 1- | A | F7 |
| R 1171 | CHIP RES. | 3.3k | 1/16W | 5% | RMC1/16S 332JTH | J24189031 | | 1- | B | b6 |
| R 1173 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | B | e5 |
| R 1174 | CHIP RES. | 560k | 1/16W | 5% | RMC1/16S 564JTH | J24189058 | | 1- | A | F7 |
| R 1176 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | B | e4 |
| R 1177 | CHIP RES. | 33k | 1/16W | 5% | RMC1/16S 333JTH | J24189043 | | 1- | B | e4 |
| R 1178 | CHIP RES. | 560 | 1/16W | 5% | RMC1/16S 561JTH | J24189022 | | 1- | B | e4 |
| R 1180 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | A | G7 |
| R 1181 | CHIP RES. | 1M | 1/16W | 5% | RMC1/16S 105JTH | J24189061 | | 1- | A | F7 |
| R 1182 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | B | b5 |
| R 1183 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | B | d5 |
| R 1184 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | B | d5 |
| R 1186 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | A | F7 |
| R 1187 | CHIP RES. | 33k | 1/16W | 5% | RMC1/16S 333JTH | J24189043 | | 1- | A | F7 |
| R 1188 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | D5 |

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-------|------|-----------------|-----------|------------------------|-----|------|---------|
| R 1189 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | VERSION A VERSION D | 1- | A | D5 |
| R 1190 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | B | e5 |
| R 1191 | CHIP RES. | 270 | 1/16W | 5% | RMC1/16S 271JTH | J24189018 | | 1-5 | B | e4 |
| R 1191 | CHIP RES. | 330 | 1/16W | 5% | RMC1/16S 331JTH | J24189019 | | 6- | B | e4 |
| R 1191 | CHIP RES. | 270 | 1/16W | 5% | RMC1/16S 271JTH | J24189018 | | 6- | B | e4 |
| R 1192 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | D5 |
| R 1193 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | D4 |
| R 1194 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | D5 |
| R 1196 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | D5 |
| R 1197 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | D5 |
| R 1198 | CHIP RES. | 82k | 1/16W | 5% | RMC1/16S 823JTH | J24189048 | | 1- | B | c6 |
| R 1199 | CHIP RES. | 220k | 1/16W | 5% | RMC1/16S 224JTH | J24189053 | | 1- | A | G7 |
| R 1200 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | B | d5 |
| R 1201 | CHIP RES. | 470 | 1/16W | 5% | RMC1/16S 471JTH | J24189021 | | 1- | B | a5 |
| R 1202 | CHIP RES. | 820 | 1/16W | 5% | RMC1/16S 821JTH | J24189024 | | 1- | B | e5 |
| R 1203 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | b6 |
| R 1204 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | a5 |
| R 1206 | CHIP RES. | 3.3k | 1/16W | 5% | RMC1/16S 332JTH | J24189031 | | 1- | B | e5 |
| R 1207 | CHIP RES. | 8.2k | 1/16W | 5% | RMC1/16S 822JTH | J24189036 | | 1- | B | e5 |
| R 1208 | CHIP RES. | 1M | 1/16W | 5% | RMC1/16S 105JTH | J24189061 | | 1- | A | G7 |
| R 1210 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16S 222JTH | J24189029 | | 1- | B | g4 |
| R 1211 | CHIP RES. | 1.8k | 1/16W | 5% | RMC1/16S 182JTH | J24189028 | | 1- | B | g5 |
| R 1212 | CHIP RES. | 150 | 1/16W | 5% | RMC1/16S 151JTH | J24189015 | | 1- | B | a5 |
| R 1213 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | g4 |
| R 1214 | CHIP RES. | 330k | 1/16W | 5% | RMC1/16S 334JTH | J24189055 | | 1- | A | C3 |
| R 1215 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | F7 |
| R 1216 | CHIP RES. | 33k | 1/16W | 5% | RMC1/16S 333JTH | J24189043 | | 1- | A | G7 |
| R 1217 | CHIP RES. | 220k | 1/16W | 5% | RMC1/16S 224JTH | J24189053 | | 1- | A | G7 |
| R 1218 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | g4 |
| R 1219 | CHIP RES. | 15k | 1/16W | 5% | RMC1/16S 153JTH | J24189039 | | 1- | A | C6 |
| R 1220 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | A | C6 |
| R 1221 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | F7 |
| R 1222 | CHIP RES. | 82k | 1/16W | 5% | RMC1/16S 823JTH | J24189048 | | 1- | A | C3 |
| R 1223 | CHIP RES. | 4.7k | 1/16W | 5% | RMC1/16S 472JTH | J24189033 | | 1- | B | g4 |
| R 1224 | CHIP RES. | 680 | 1/16W | 5% | RMC1/16S 681JTH | J24189023 | | 1- | B | a6 |
| R 1225 | CHIP RES. | 470 | 1/16W | 5% | RMC1/16S 471JTH | J24189021 | | 1- | B | a6 |
| R 1226 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | A | C6 |
| R 1227 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | A | C6 |
| R 1228 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16S 222JTH | J24189029 | | 1- | B | e4 |
| R 1229 | CHIP RES. | 3.3k | 1/16W | 5% | RMC1/16S 332JTH | J24189031 | | 1- | B | g4 |
| R 1230 | CHIP RES. | 470k | 1/16W | 5% | RMC1/16S 474JTH | J24189057 | | 1- | A | C6 |
| R 1231 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | J6 |
| R 1232 | CHIP RES. | 470k | 1/16W | 5% | RMC1/16S 474JTH | J24189057 | | 1- | A | C6 |
| R 1233 | CHIP RES. | 4.7k | 1/16W | 5% | RMC1/16S 472JTH | J24189033 | | 1- | B | b7 |
| R 1234 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | B6 |
| R 1235 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | A2 |
| R 1236 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1 | A | B6 |
| R 1236 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 2- | A | B6 |
| R 1237 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | a6 |
| R 1238 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | h5 |
| R 1239 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | B | a6 |
| R 1240 | CHIP RES. | 4.7k | 1/16W | 5% | RMC1/16S 472JTH | J24189033 | | 1- | B | c7 |
| R 1241 | CHIP RES. | 1M | 1/16W | 5% | RMC1/16S 105JTH | J24189061 | | 1- | A | C7 |
| R 1242 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16S 222JTH | J24189029 | | 1- | B | c6 |
| R 1243 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | B6 |
| R 1244 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | B6 |
| R 1245 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | J6 |
| R 1247 | CHIP RES. | 4.7k | 1/16W | 5% | RMC1/16S 472JTH | J24189033 | | 1- | B | c6 |
| R 1248 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16S 222JTH | J24189029 | | 1- | A | A6 |
| R 1249 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16S 222JTH | J24189029 | | 1- | A | H6 |
| R 1250 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | A1 |
| R 1251 | CHIP RES. | 56 | 1/16W | 5% | RMC1/16S 560JTH | J24189010 | | 1- | B | c7 |
| R 1252 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16S 222JTH | J24189029 | | 1- | A | A6 |
| R 1253 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | B | c6 |
| R 1254 | CHIP RES. | 33 | 1/16W | 5% | RMC1/16S 330JTH | J24189007 | | 1- | B | c6 |
| R 1255 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | c7 |
| R 1256 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16S 222JTH | J24189029 | | 1- | B | c6 |
| R 1258 | CHIP RES. | 8.2k | 1/16W | 5% | RMC1/16S 822JTH | J24189036 | | 1- | B | c6 |
| R 1259 | CHIP RES. | 12k | 1/16W | 5% | RMC1/16S 123JTH | J24189038 | | 1- | A | I7 |
| R 1260 | CHIP RES. | 3.3k | 1/16W | 5% | RMC1/16S 332JTH | J24189031 | | 1- | B | a6 |
| R 1261 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | A6 |
| R 1262 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B6 |
| R 1263 | CHIP RES. | 470 | 1/16W | 5% | RMC1/16S 471JTH | J24189021 | | 1- | A | A6 |

RF Unit

Parts List

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-------|------|-----------------|-----------|-------|-----|------|---------|
| R 1264 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B6 |
| R 1265 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B6 |
| R 1266 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B6 |
| R 1267 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B6 |
| R 1268 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B6 |
| R 1269 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B6 |
| R 1270 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B6 |
| R 1271 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B6 |
| R 1272 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B6 |
| R 1273 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B6 |
| R 1274 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B6 |
| R 1275 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B6 |
| R 1276 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B6 |
| R 1277 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B6 |
| R 1278 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B6 |
| R 1279 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B6 |
| R 1280 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B6 |
| R 1281 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | B2 |
| R 1282 | CHIP RES. | 22 | 1/16W | 5% | RMC1/16S 220JTH | J24189005 | | 1- | B | d7 |
| R 1283 | CHIP RES. | 12k | 1/16W | 5% | RMC1/16S 123JTH | J24189038 | | 1- | B | d6 |
| R 1284 | CHIP RES. | 680k | 1/16W | 5% | RMC1/16S 684JTH | J24189059 | | 1- | A | I6 |
| R 1285 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | c6 |
| R 1286 | CHIP RES. | 12k | 1/16W | 5% | RMC1/16S 123JTH | J24189038 | | 1- | A | I6 |
| R 1287 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | A6 |
| R 1288 | CHIP RES. | 3.3k | 1/16W | 5% | RMC1/16S 332JTH | J24189031 | | 1- | A | J7 |
| R 1289 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | B | c6 |
| R 1290 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | A6 |
| R 1291 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | C6 |
| R 1292 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B5 |
| R 1293 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | A6 |
| R 1294 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | C6 |
| R 1295 | CHIP RES. | 12k | 1/16W | 5% | RMC1/16S 123JTH | J24189038 | | 1- | A | I7 |
| R 1296 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | A6 |
| R 1297 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | C6 |
| R 1298 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | J6 |
| R 1299 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | A6 |
| R 1300 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | C6 |
| R 1301 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | I6 |
| R 1302 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1-2 | A | A2 |
| R 1303 | CHIP RES. | 12k | 1/16W | 5% | RMC1/16S 123JTH | J24189038 | | 1- | A | H6 |
| R 1304 | CHIP RES. | 22 | 1/16W | 5% | RMC1/16S 220JTH | J24189005 | | 1- | B | c7 |
| R 1305 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | A6 |
| R 1306 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | C6 |
| R 1307 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | J6 |
| R 1309 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | C6 |
| R 1310 | CHIP RES. | 12k | 1/16W | 5% | RMC1/16S 123JTH | J24189038 | | 1- | A | H7 |
| R 1311 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | B | c7 |
| R 1312 | CHIP RES. | 6.8k | 1/16W | 5% | RMC1/16S 682JTH | J24189035 | | 1- | A | J6 |
| R 1314 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | C6 |
| R 1315 | CHIP RES. | 22 | 1/16W | 5% | RMC1/16S 220JTH | J24189005 | | 1- | A | I6 |
| R 1316 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | c7 |
| R 1318 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | C6 |
| R 1321 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | C6 |
| R 1322 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | A5 |
| R 1323 | CHIP RES. | 82k | 1/16W | 5% | RMC1/16S 823JTH | J24189048 | | 1- | A | C5 |
| R 1324 | CHIP RES. | 1M | 1/16W | 5% | RMC1/16S 105JTH | J24189061 | | 1- | A | I6 |
| R 1325 | CHIP RES. | 12k | 1/16W | 5% | RMC1/16S 123JTH | J24189038 | | 1- | A | I7 |
| R 1326 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | c7 |
| R 1327 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | A5 |
| R 1328 | CHIP RES. | 39k | 1/16W | 5% | RMC1/16S 393JTH | J24189044 | | 1- | A | C5 |
| R 1329 | CHIP RES. | 22 | 1/16W | 5% | RMC1/16S 220JTH | J24189005 | | 1- | A | G7 |
| R 1330 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | A5 |
| R 1331 | CHIP RES. | 20k | 1/16W | 0.5% | RR0510R-203-D | J24189150 | | 1- | A | C5 |
| R 1332 | CHIP RES. | 6.8k | 1/16W | 5% | RMC1/16S 682JTH | J24189035 | | 1- | A | I7 |
| R 1333 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | A | I6 |
| R 1334 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | C5 |
| R 1335 | CHIP RES. | 4.7k | 1/16W | 5% | RMC1/16S 472JTH | J24189033 | | 1- | B | c7 |
| R 1336 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | C5 |
| R 1337 | CHIP RES. | 6.8k | 1/16W | 5% | RMC1/16S 682JTH | J24189035 | | 1- | A | H7 |
| R 1338 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | C5 |
| R 1340 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | A5 |
| R 1341 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | C5 |
| R 1342 | CHIP RES. | 5.6k | 1/16W | 5% | RMC1/16S 562JTH | J24189034 | | 1- | A | I6 |

RF Unit

Parts List

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-------|------|-----------------|-----------|-------|-----|------|---------|
| R 1343 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 6- | A | A5 |
| R 1344 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | C5 |
| R 1345 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | A | H7 |
| R 1346 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | A5 |
| R 1347 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | C5 |
| R 1348 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | A | A2 |
| R 1350 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | A5 |
| R 1351 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | C5 |
| R 1352 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | B | f7 |
| R 1353 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | A5 |
| R 1354 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | C5 |
| R 1355 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | C4 |
| R 1356 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | A | C4 |
| R 1357 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | I7 |
| R 1358 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | B | f7 |
| R 1359 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | B | f7 |
| R 1360 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | A5 |
| R 1361 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | C5 |
| R 1362 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | B | f7 |
| R 1363 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | A5 |
| R 1364 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | C5 |
| R 1365 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | A5 |
| R 1366 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | C5 |
| R 1367 | CHIP RES. | 56k | 1/16W | 5% | RMC1/16S 563JTH | J24189046 | | 1- | B | g7 |
| R 1368 | CHIP RES. | 330k | 1/16W | 5% | RMC1/16S 334JTH | J24189055 | | 1- | A | I7 |
| R 1369 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | A5 |
| R 1370 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | C5 |
| R 1371 | CHIP RES. | 18k | 1/16W | 5% | RMC1/16S 183JTH | J24189040 | | 1- | B | f7 |
| R 1372 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | C4 |
| R 1373 | CHIP RES. | 220k | 1/16W | 5% | RMC1/16S 224JTH | J24189053 | | 1- | A | I7 |
| R 1374 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | A5 |
| R 1375 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | C5 |
| R 1376 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B2 |
| R 1377 | CHIP RES. | 27k | 1/16W | 5% | RMC1/16S 273JTH | J24189042 | | 1- | B | f6 |
| R 1378 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16S 104JTH | J24189049 | | 1- | B | f7 |
| R 1379 | CHIP RES. | 1M | 1/16W | 5% | RMC1/16S 105JTH | J24189061 | | 1- | A | I7 |
| R 1380 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B5 |
| R 1381 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B5 |
| R 1382 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B4 |
| R 1383 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B5 |
| R 1384 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B5 |
| R 1389 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 2- | A | B5 |
| R 1390 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 2- | A | B4 |
| R 1391 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B5 |
| R 1392 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B5 |
| R 1393 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 2- | A | B4 |
| R 1394 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 2- | A | B5 |
| R 1395 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B5 |
| R 1396 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B4 |
| R 1397 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B5 |
| R 1398 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B5 |
| R 1399 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B2 |
| R 1400 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | A | B5 |
| R 1401 | CHIP RES. | 27k | 1/16W | 5% | RMC1/16S 273JTH | J24189042 | | 1- | A | A3 |
| R 1402 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | b7 |
| R 1403 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | F4 |
| R 1404 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | B | b3 |
| R 1405 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | B | c3 |
| R 1407 | CHIP RES. | 0 | 1/10W | 5% | RMC1/10T 000J | J24205000 | | 1- | B | i1 |
| R 1408 | CHIP RES. | 560 | 1/10W | 5% | RMC1/10T 561J | J24205561 | | 1- | B | i1 |
| R 1409 | CHIP RES. | 0 | 1/10W | 5% | RMC1/10T 000J | J24205000 | | 1- | B | i1 |
| R 1410 | CHIP RES. | 0 | 1/10W | 5% | RMC1/10T 000J | J24205000 | | 1- | B | i1 |
| R 1411 | CHIP RES. | 0 | 1/10W | 5% | RMC1/10T 000J | J24205000 | | 1- | B | i1 |
| R 1412 | CHIP RES. | 0 | 1/10W | 5% | RMC1/10T 000J | J24205000 | | 1- | B | i1 |
| R 1413 | CHIP RES. | 0 | 1/10W | 5% | RMC1/10T 000J | J24205000 | | 1- | B | i1 |
| R 1414 | CHIP RES. | 0 | 1/10W | 5% | RMC1/10T 000J | J24205000 | | 1- | B | i1 |
| R 1415 | CHIP RES. | 0 | 1/10W | 5% | RMC1/10T 000J | J24205000 | | 1- | B | i1 |
| R 1416 | CHIP RES. | 0 | 1/10W | 5% | RMC1/10T 000J | J24205000 | | 1- | B | i1 |
| R 1417 | CHIP RES. | 0 | 1/10W | 5% | RMC1/10T 000J | J24205000 | | 1- | A | B2 |
| R 1418 | CHIP RES. | 0 | 1/10W | 5% | RMC1/10T 000J | J24205000 | | 1- | A | B2 |
| R 1419 | CHIP RES. | 0 | 1/10W | 5% | RMC1/10T 000J | J24205000 | | 1- | A | B2 |
| R 1420 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | D6 |
| R 1421 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1-5 | B | e3 |

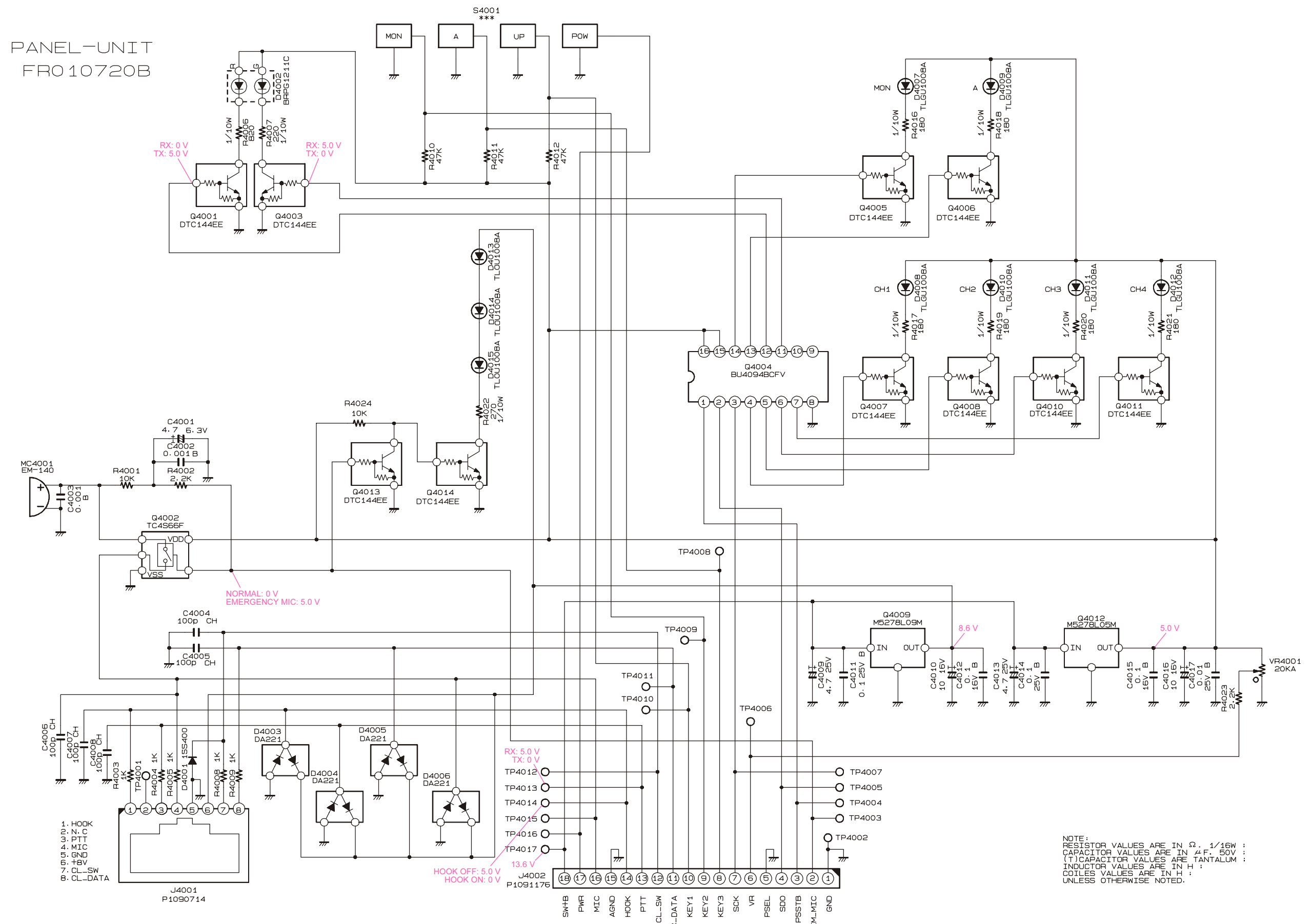
RF Unit

Parts List

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------------|-------------|-------|------|--------------------|-----------|-----------|-----|------|---------|
| R 1421 | CHIP RES. | 10 | 1/16W | 5% | RMC1/16S 100JTH | J24189001 | VERSION A | 6- | B | e3 |
| R 1421 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | VERSION D | 6- | B | e3 |
| R 1422 | CHIP RES. | 470 | 1/16W | 5% | RMC1/16S 471JTH | J24189021 | VERSION A | 6- | B | e3 |
| R 1423 | CHIP RES. | 470 | 1/16W | 5% | RMC1/16S 471JTH | J24189021 | VERSION A | 6- | B | e3 |
| R 1424 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | I3 |
| R 1425 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | E7 |
| R 1426 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16S 102JTH | J24189025 | | 1- | B | d3 |
| R 1427 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | H4 |
| R 1428 | CHIP RES. | 4.7k | 1/16W | 5% | RMC1/16S 472JTH | J24189033 | | 1- | A | H4 |
| R 1429 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16S 222JTH | J24189029 | | 1- | A | H4 |
| R 1430 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | H4 |
| R 1431 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | H4 |
| R 1432 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | H4 |
| R 1433 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16S 473JTH | J24189045 | | 1- | A | D3 |
| R 1434 | CHIP RES. | 100 | 1/16W | 5% | RMC1/16S 101JTH | J24189013 | | 1- | B | b5 |
| R 1436 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | A | C5 |
| R 1437 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | A | C5 |
| R 1438 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16S 103JTH | J24189037 | | 1- | A | E6 |
| R 1439 | CHIP RES. | 1M | 1/16W | 5% | RMC1/16S 105JTH | J24189061 | | 1- | B | e6 |
| R 1440 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | A | B2 |
| R 1441 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | A | B2 |
| R 1442 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | B | g6 |
| R 1443 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1- | B | g3 |
| R 1444 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16S 223JTH | J24189041 | | 1- | B | d5 |
| R 1445 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16S JPTH | J24189070 | | 1 | | |
| T 1004 | BALUN TRANSFOMERS | | | | B5F458DB-1414=P3 | L0190256 | | 1- | B | c5 |
| T 1005 | BALUN TRANSFOMERS | | | | B5F458DB-1414=P3 | L0190256 | | 1- | B | d6 |
| T 1006 | BALUN TRANSFOMERS | | | | B5F458PT-1417=P3 | L0190258 | | 1- | B | c6 |
| T 1007 | BALUN TRANSFOMERS | | | | B5F458DB-1542=P3 | L0190266 | | 1- | B | b5 |
| TH1001 | THERMISTOR | | | | ERTJ0EV473J | G9090120 | | 1- | B | d2 |
| X 1001 | XTAL U3B | 4.194304MHz | | | 4.194304MHZ | H0103284 | | 1- | B | h5 |
| X 1002 | XTAL U3B | 7.3728MHz | | | 7.3728MHZ | H0103280 | | 1- | A | B7 |
| X 1003 | XTAL OSC | 16.8MHz | | | TTS05VS-P2 16.8MHZ | H9500760 | | 1- | A | H7 |
| XF1001 | XTAL FILTER | | | | MFT50.85P 50.85MHZ | H1102361 | | 1- | B | a5 |
| | SHIELD CASE VCO | | | | PA | RA0488600 | | 1- | | |
| | SHIELD PLATE | | | | | R0124501 | | 1- | | |

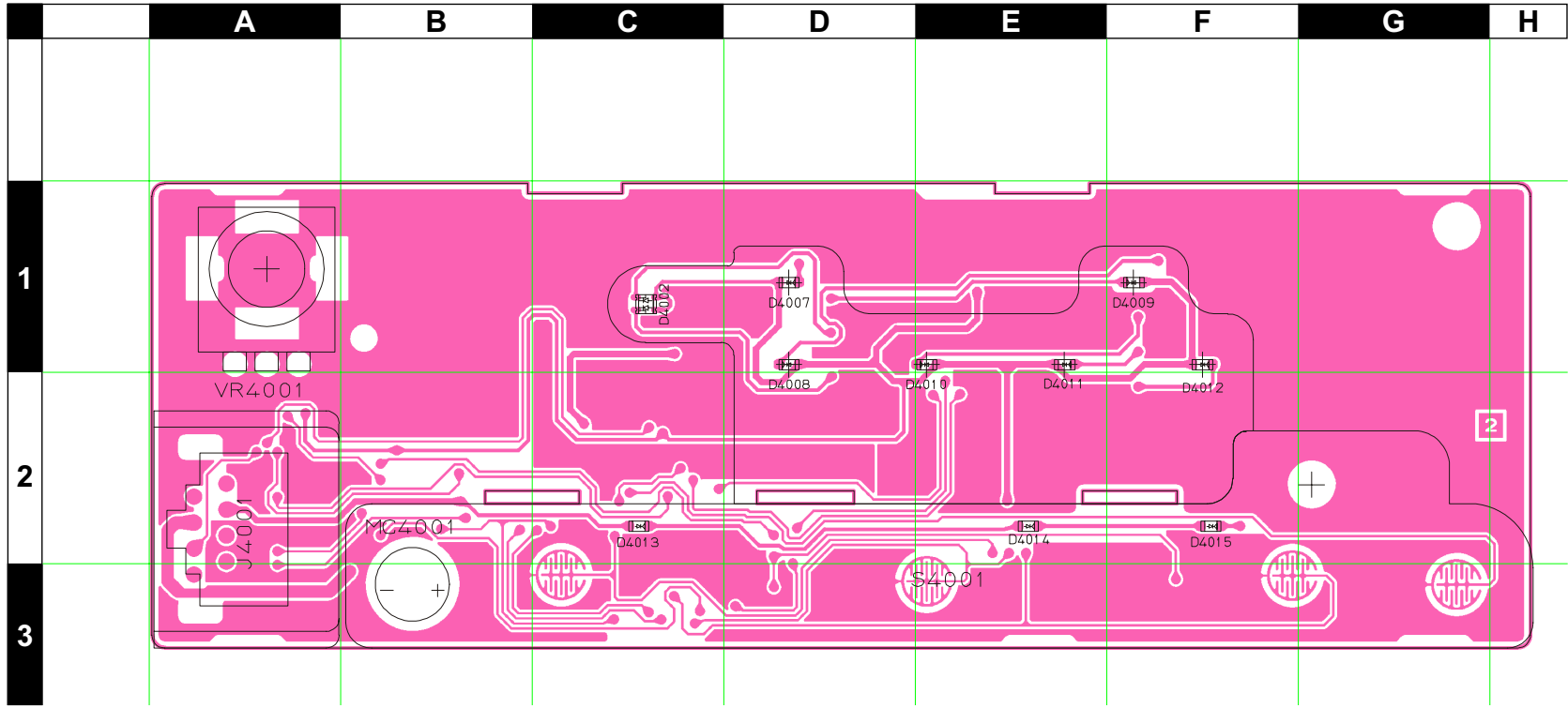
FRONT-C Unit (VX-4100: Lot. 1~5)

Circuit Diagram

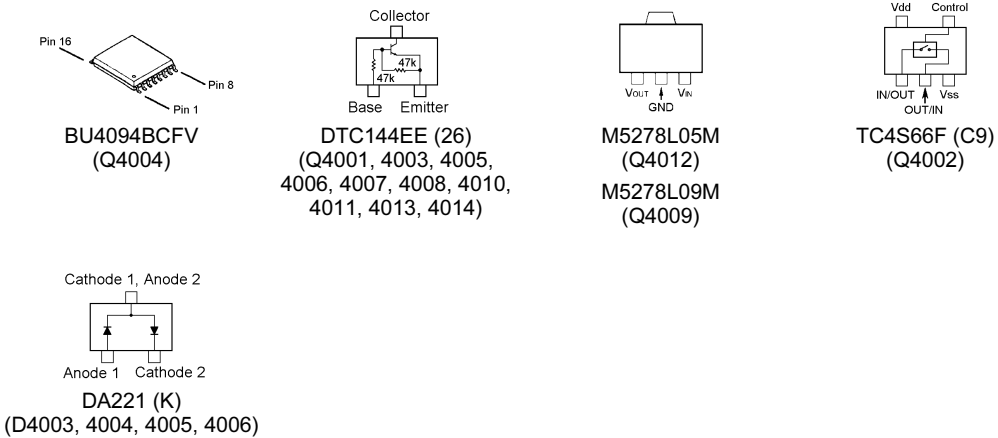
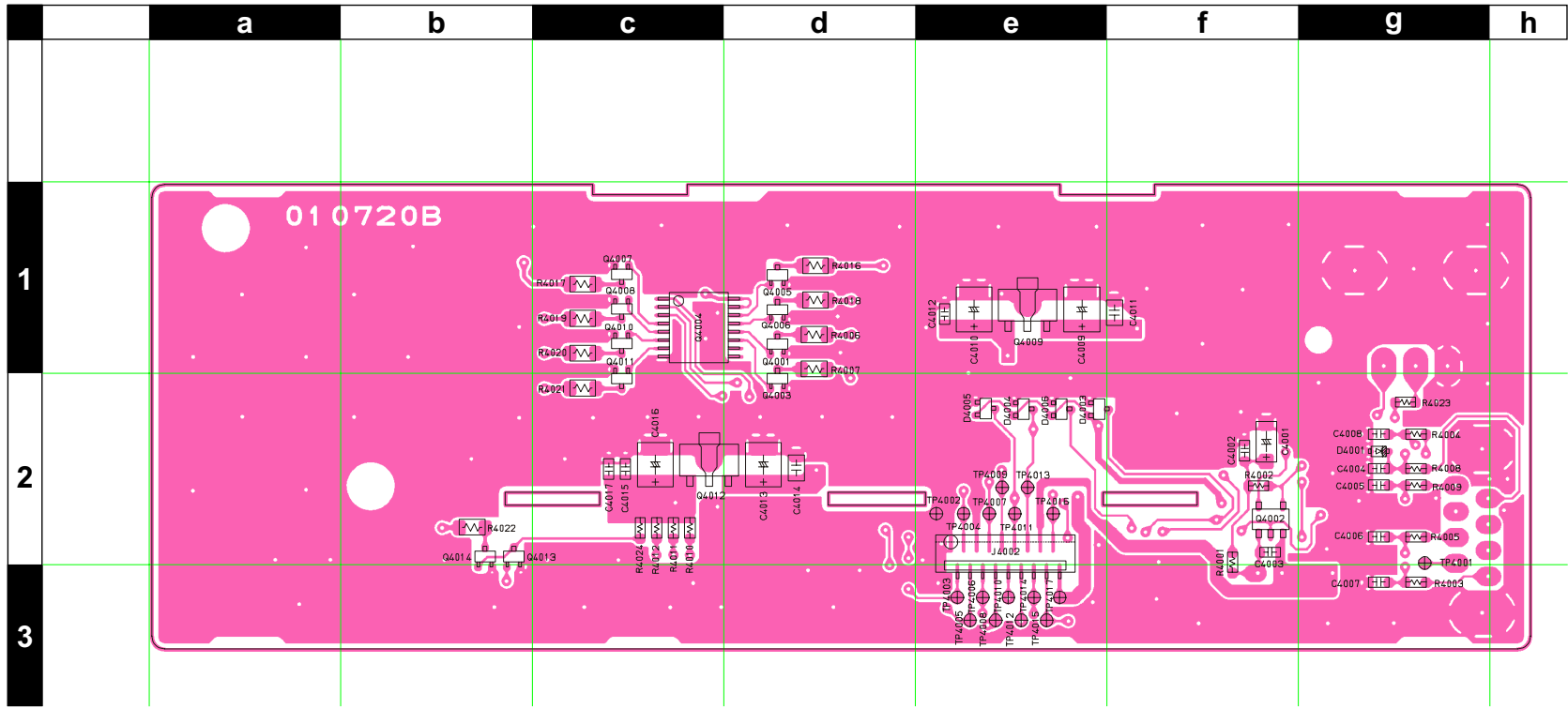


FRONT-C Unit (VX-4100: Lot. 1~5)

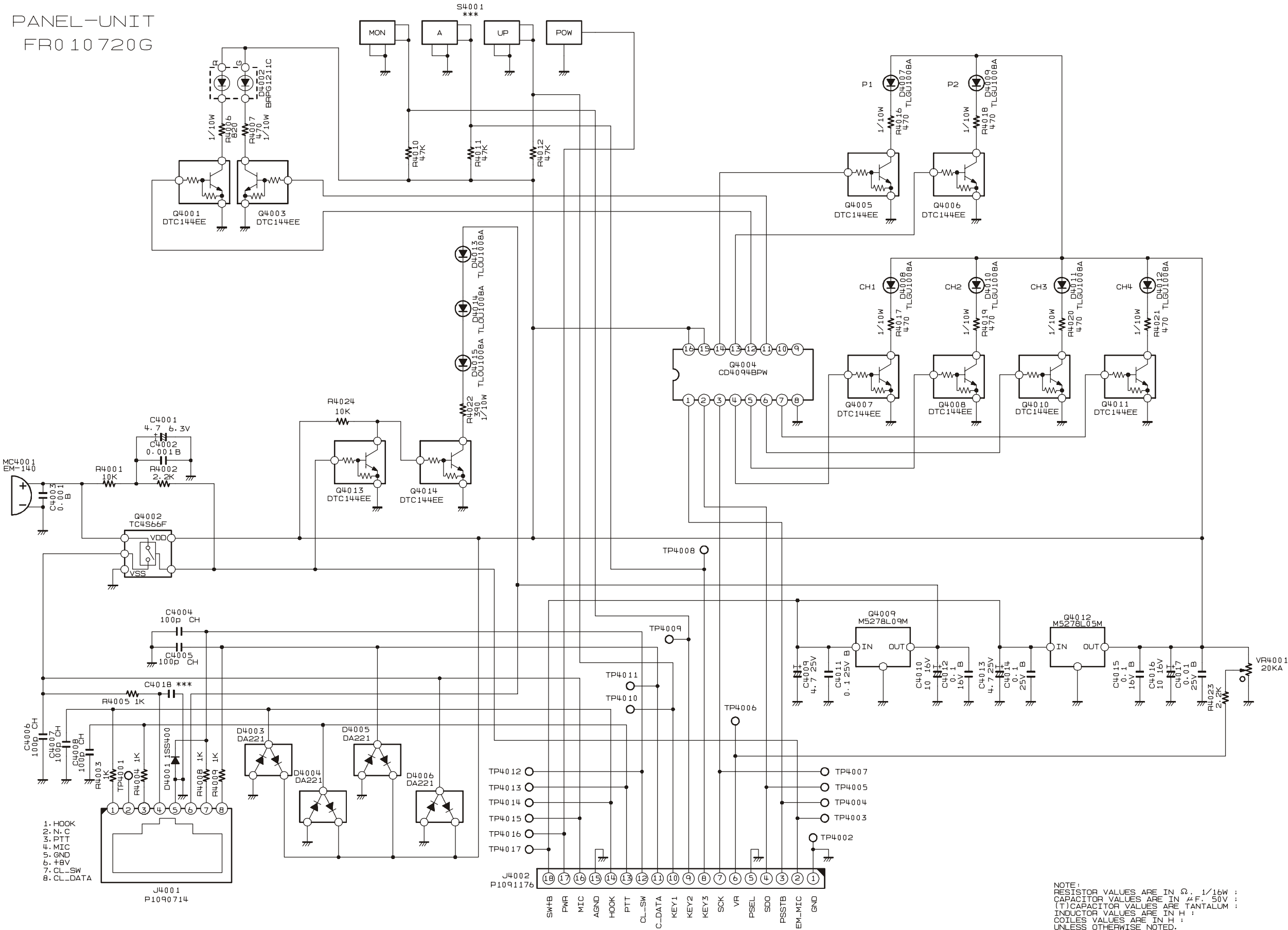
Parts Layout (Side A)



Parts Layout (Side B)

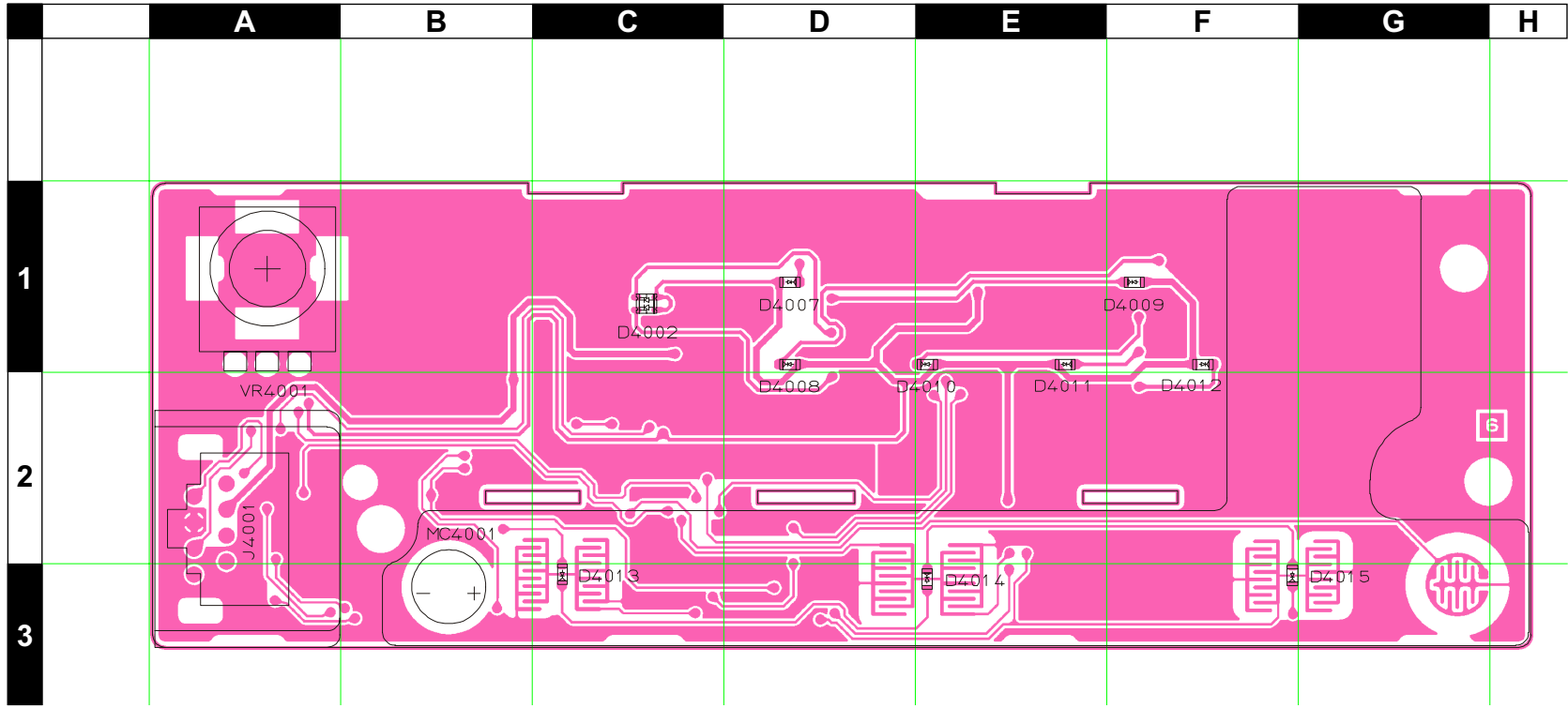


PANEL-UNIT
FR0 10 720G

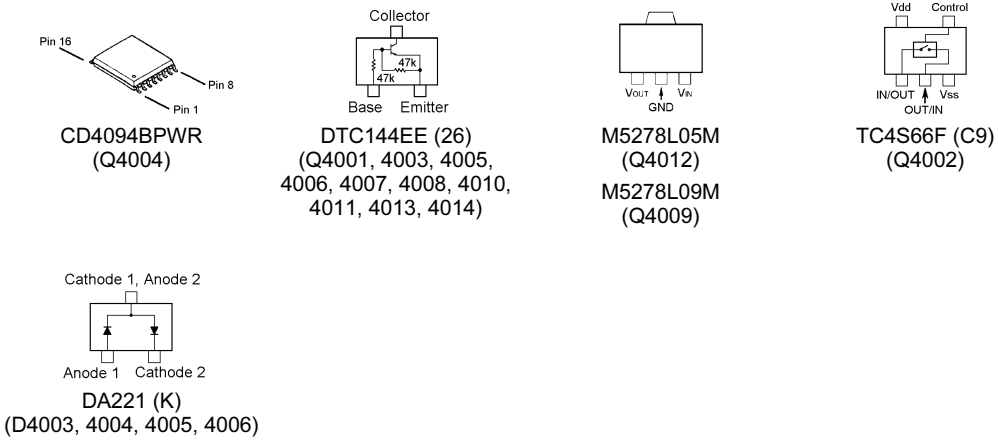
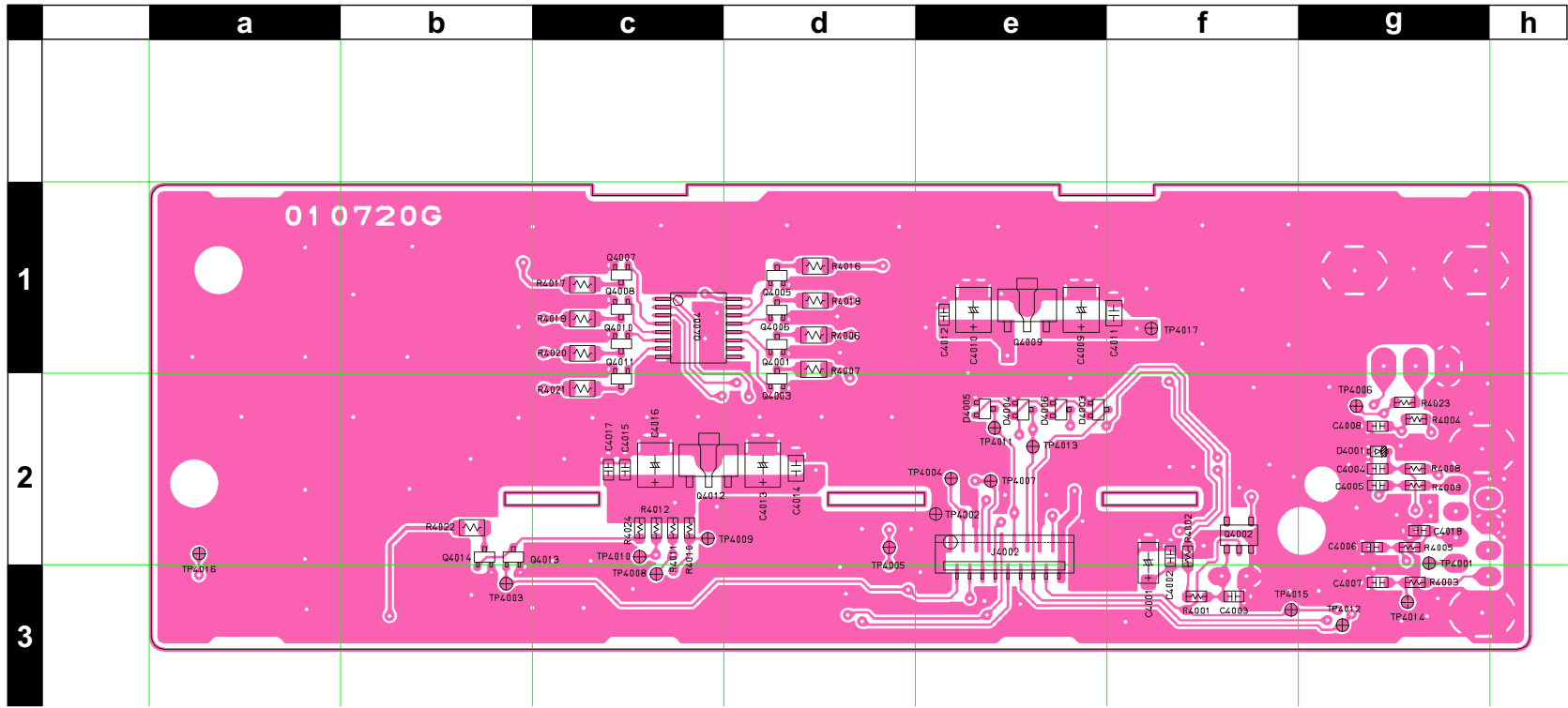


FRONT-C Unit (VX-4100: Lot. 6~)

Parts Layout (Side A)



Parts Layout (Side B)



FRONT-C Unit (VX-4100)

Parts List

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|-----------------------|--------------|---------|-------|------|------------------|-----------|------------------------|----------|------|---------|
| PCB with Components | | | | | | CB2529001 | | | | |
| Printed Circuit Board | | | | | | AAD24X000 | FR010720B FR010720G | 1- 6- | | |
| C 4001 | CHIP TA.CAP. | 4.7uF | 6.3V | | TEMSVA0J475M-8R | K78080017 | | 1- | B | f2 |
| C 4002 | CHIP CAP. | 0.001uF | 50V | B | GRM39B102K50PT | K22174821 | | 1- | B | f2 |
| C 4003 | CHIP CAP. | 0.001uF | 50V | B | GRM39B102K50PT | K22174821 | | 1- | B | f2 |
| C 4004 | CHIP CAP. | 100pF | 50V | CH | GRM39CH101J50PT | K22174235 | | 1- | B | g2 |
| C 4005 | CHIP CAP. | 100pF | 50V | CH | GRM39CH101J50PT | K22174235 | | 1- | B | g2 |
| C 4006 | CHIP CAP. | 100pF | 50V | CH | GRM39CH101J50PT | K22174235 | | 1- | B | g2 |
| C 4007 | CHIP CAP. | 100pF | 50V | CH | GRM39CH101J50PT | K22174235 | | 1- | B | g3 |
| C 4008 | CHIP CAP. | 100pF | 50V | CH | GRM39CH101J50PT | K22174235 | | 1- | B | g2 |
| C 4009 | CHIP TA.CAP. | 4.7uF | 25V | | TEMSVB21E475M-8R | K78140019 | | 1- | B | e1 |
| C 4010 | CHIP TA.CAP. | 10uF | 16V | | TEMSVB21C106M-8R | K78120025 | | 1- | B | e1 |
| C 4011 | CHIP CAP. | 0.1uF | 25V | B | GRM40B104M25PT | K22140811 | | 1- | B | f1 |
| C 4012 | CHIP CAP. | 0.1uF | 16V | B | GRM39B104K16PT | K22124805 | | 1- | B | e1 |
| C 4013 | CHIP TA.CAP. | 4.7uF | 25V | | TEMSVB21E475M-8R | K78140019 | | 1- | B | d2 |
| C 4014 | CHIP CAP. | 0.1uF | 25V | B | GRM40B104M25PT | K22140811 | | 1- | B | d2 |
| C 4015 | CHIP CAP. | 0.1uF | 16V | B | GRM39B104K16PT | K22124805 | | 1- | B | c2 |
| C 4016 | CHIP TA.CAP. | 10uF | 16V | | TEMSVB21C106M-8R | K78120025 | | 1- | B | c2 |
| C 4017 | CHIP CAP. | 0.01uF | 25V | B | GRM39B103M25PT | K22144802 | | 1- | B | c2 |
| C 4018 | CHIP CAP. | 0.001uF | 50V | B | GRM39B102K50PT | K22174821 | | 1-5 | | |
| D 4001 | DIODE | | | | 1SS400 TE61 | G2070634 | | 1- | B | g2 |
| D 4002 | LED | | | | BRPG1211C-TR | G2070654 | | 1- | A | C1 |
| D 4003 | DIODE | | | | DA221 TL | G2070178 | | 1- | B | e2 |
| D 4003 | DIODE | | | | EDZ TE61 5.1B | G2070998 | | 11- | B | e2 |
| D 4004 | DIODE | | | | DA221 TL | G2070178 | | 1- | B | e2 |
| D 4004 | DIODE | | | | EDZ TE61 5.1B | G2070998 | | 11- | B | e2 |
| D 4005 | DIODE | | | | DA221 TL | G2070178 | | 1- | B | e2 |
| D 4005 | DIODE | | | | EDZ TE61 5.1B | G2070998 | | 11- | B | e2 |
| D 4006 | DIODE | | | | DA221 TL | G2070178 | | 1- | B | e2 |
| D 4007 | LED | | | | TLGU1008A(TAPE) | G2070956 | | 1- | A | D1 |
| D 4008 | LED | | | | TLGU1008A(TAPE) | G2070956 | | 1- | A | D1 |
| D 4009 | LED | | | | TLGU1008A(TAPE) | G2070956 | | 1- | A | F1 |
| D 4010 | LED | | | | TLGU1008A(TAPE) | G2070956 | | 1- | A | E1 |
| D 4011 | LED | | | | TLGU1008A(TAPE) | G2070956 | | 1- | A | E1 |
| D 4012 | LED | | | | TLGU1008A(TAPE) | G2070956 | | 1- | A | F1 |
| D 4013 | LED | | | | TLOU1008A(TAPE) | G2070958 | | 1- | A | C2 |
| D 4013 | LED | | | | TLOU1020(T14) | G2070990 | | 7- | A | C2 |
| D 4014 | LED | | | | TLOU1008A(TAPE) | G2070958 | | 1- | A | E2 |
| D 4014 | LED | | | | TLOU1020(T14) | G2070990 | | 7- | A | E2 |
| D 4015 | LED | | | | TLOU1008A(TAPE) | G2070958 | | 1- | A | F2 |
| D 4015 | LED | | | | TLOU1020(T14) | G2070990 | | 7- | A | F2 |
| J 4001 | CONNECTOR | | | | R41-2509H | P1090714 | | 1- | A | A2 |
| J 4002 | CONNECTOR | | | | 18FLT-SM1-TB | P1091176 | | 1- | B | e2 |
| JP4001 | WIRE ASSY | | | | BRN 35 (2)/(2) | T51103502 | | 1-5 | | |
| MC4001 | MIC. ELEMENT | | | | EM-140 | M3290032 | | 1- | A | B3 |
| Q 4001 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | B | d1 |
| Q 4002 | IC | | | | TC4S66F TE85R | G1090893 | | 1- | B | f2 |
| Q 4003 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | B | d2 |
| Q 4004 | IC | | | | BU4094BCFV-E2 | G1093527 | | 1- | B | c1 |
| Q 4004 | IC | | | | CD4094BPWR | G1093866 | | 6- | B | c1 |
| Q 4005 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | B | d1 |
| Q 4006 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | B | d1 |
| Q 4007 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | B | c1 |
| Q 4008 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | B | c1 |
| Q 4009 | IC | | | | M5278L09M 600C | G1093102 | | 1- | B | e1 |
| Q 4010 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | B | c1 |
| Q 4011 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | B | c2 |
| Q 4012 | IC | | | | M5278L05M 600C | G1093101 | | 1- | B | c2 |
| Q 4013 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | B | b2 |
| Q 4014 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | B | b2 |
| R 4001 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16 103JATP | J24185103 | | 1- | B | f2 |
| R 4002 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16 222JATP | J24185222 | | 1- | B | f2 |
| R 4003 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16 102JATP | J24185102 | | 1- | B | g3 |
| R 4004 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16 102JATP | J24185102 | | 1- | B | g2 |
| R 4005 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16 102JATP | J24185102 | | 1- | B | g2 |
| R 4006 | CHIP RES. | 820 | 1/10W | 5% | RMC1/10T 821J | J24205821 | | 1- | B | d1 |
| R 4007 | CHIP RES. | 220 | 1/10W | 5% | RMC1/10T 221J | J24205221 | | 1- | B | d1 |
| R 4007 | CHIP RES. | 470 | 1/10W | 5% | RMC1/10T 471J | J24205471 | | 6- | B | d1 |
| R 4008 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16 102JATP | J24185102 | | 1- | B | g2 |
| R 4009 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16 102JATP | J24185102 | | 1- | B | g2 |
| R 4010 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16 473JATP | J24185473 | | 1- | B | c2 |
| R 4011 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16 473JATP | J24185473 | | 1- | B | c2 |

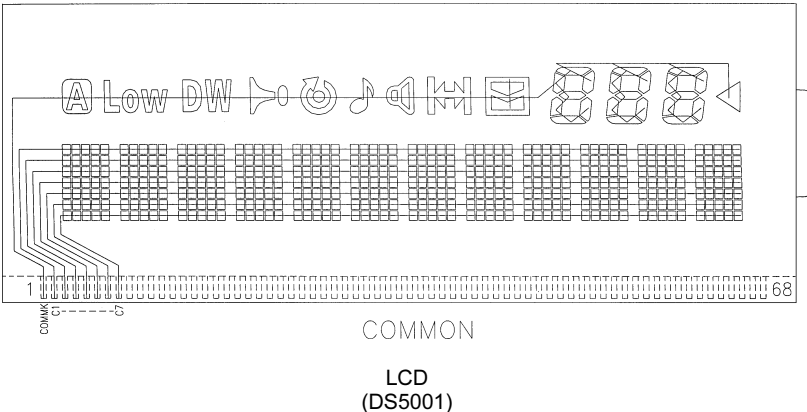
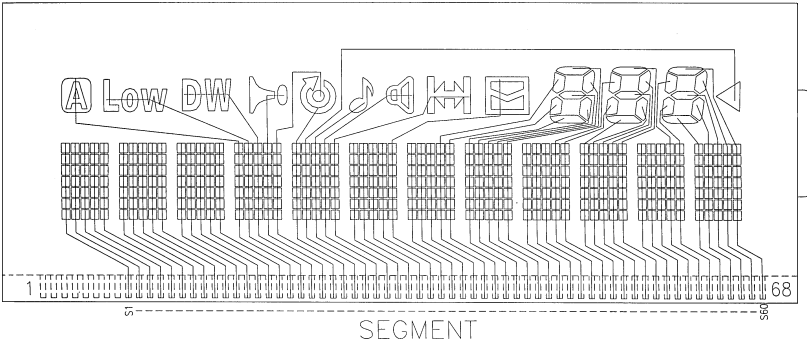
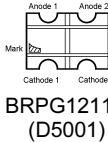
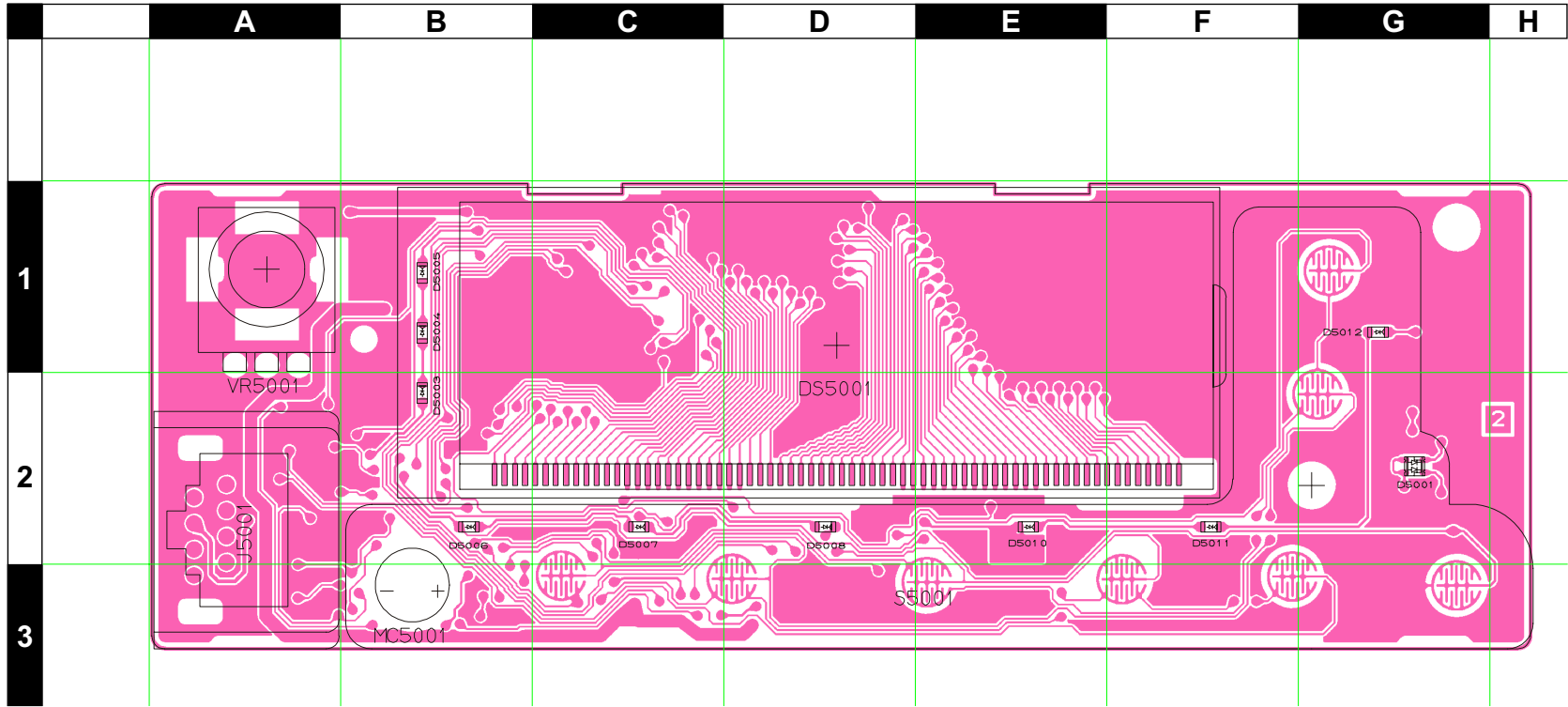
FRONT-C Unit (VX-4100)

Parts List

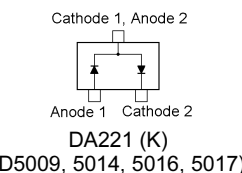
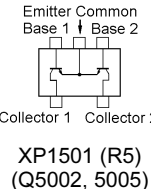
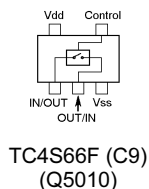
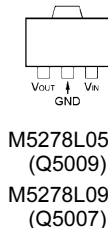
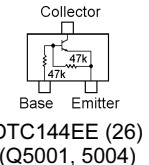
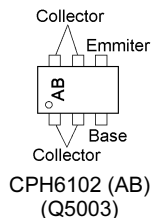
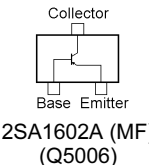
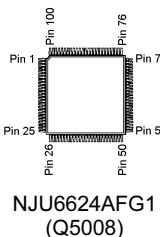
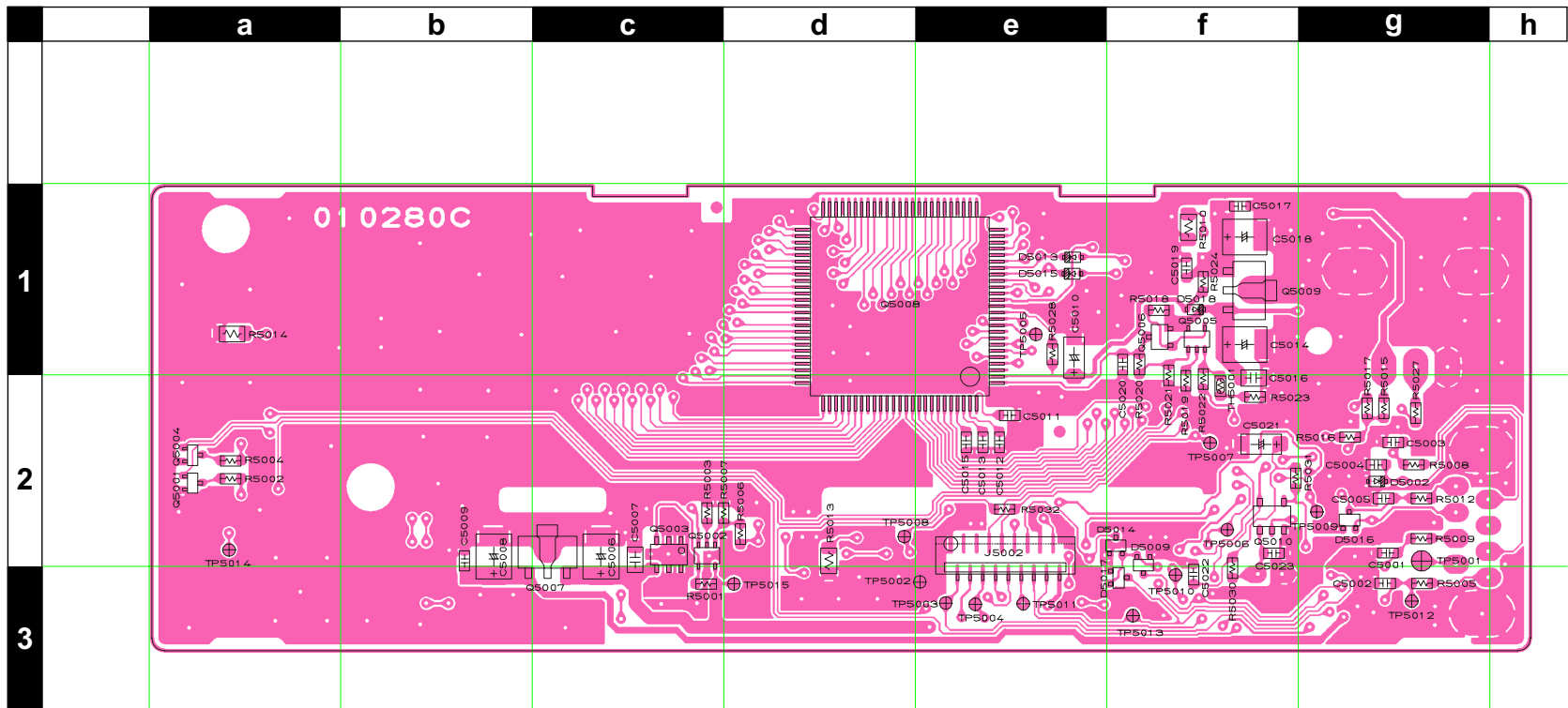
| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-------------|-------|-------|------|-----------------|-----------|-------|-----|------|---------|
| R 4012 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16 473JATP | J24185473 | | 1- | B | c2 |
| R 4016 | CHIP RES. | 270 | 1/10W | 5% | RMC1/10T 271J | J24205271 | | 1 | B | d1 |
| R 4016 | CHIP RES. | 470 | 1/10W | 5% | RMC1/10T 471J | J24205471 | | 2- | B | d1 |
| R 4017 | CHIP RES. | 270 | 1/10W | 5% | RMC1/10T 271J | J24205271 | | 1 | B | c1 |
| R 4017 | CHIP RES. | 470 | 1/10W | 5% | RMC1/10T 471J | J24205471 | | 2- | B | c1 |
| R 4018 | CHIP RES. | 270 | 1/10W | 5% | RMC1/10T 271J | J24205271 | | 1 | B | d1 |
| R 4018 | CHIP RES. | 470 | 1/10W | 5% | RMC1/10T 471J | J24205471 | | 2- | B | d1 |
| R 4019 | CHIP RES. | 270 | 1/10W | 5% | RMC1/10T 271J | J24205271 | | 1 | B | c1 |
| R 4019 | CHIP RES. | 470 | 1/10W | 5% | RMC1/10T 471J | J24205471 | | 2- | B | c1 |
| R 4020 | CHIP RES. | 270 | 1/10W | 5% | RMC1/10T 271J | J24205271 | | 1 | B | c1 |
| R 4020 | CHIP RES. | 470 | 1/10W | 5% | RMC1/10T 471J | J24205471 | | 2- | B | c1 |
| R 4021 | CHIP RES. | 270 | 1/10W | 5% | RMC1/10T 271J | J24205271 | | 1 | B | c2 |
| R 4021 | CHIP RES. | 470 | 1/10W | 5% | RMC1/10T 471J | J24205471 | | 2- | B | c2 |
| R 4022 | CHIP RES. | 180 | 1/10W | 5% | RMC1/10T 181J | J24205181 | | 1- | B | b2 |
| R 4022 | CHIP RES. | 390 | 1/10W | 5% | RMC1/10T 391J | J24205391 | | 6- | B | b2 |
| R 4023 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16 222JATP | J24185222 | | 1- | B | g2 |
| R 4024 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16 103JATP | J24185103 | | 1- | B | c2 |
| VR4001 | POT. | | | | RK09L1140 20KA | J60800265 | | 1- | A | A1 |

FRONT-D Unit (VX-4200: Lot. 1~5)

Parts Layout (Side A)

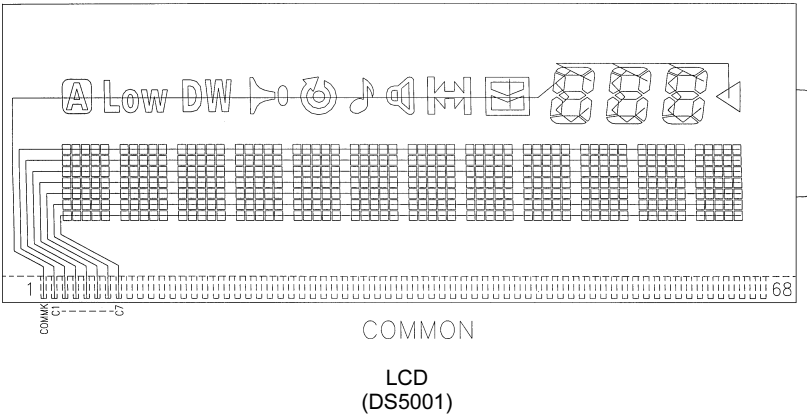
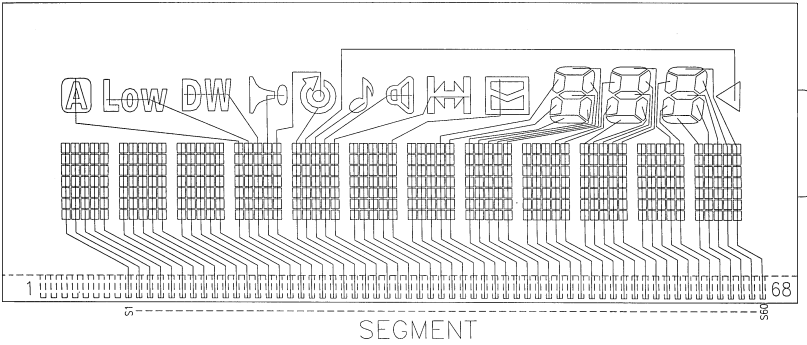
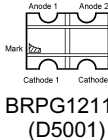
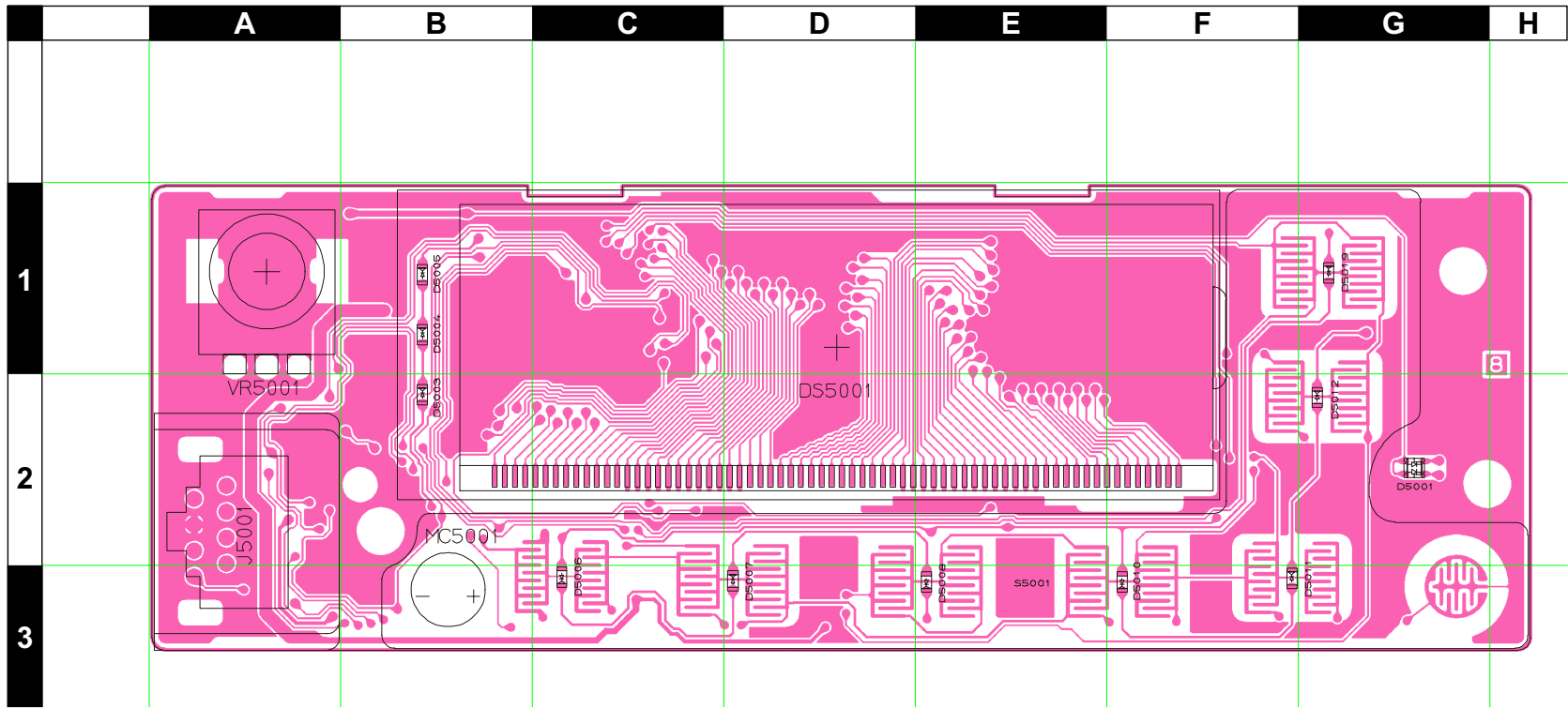


Parts Layout (Side B)

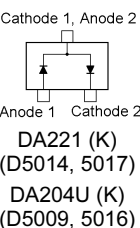
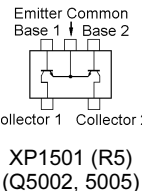
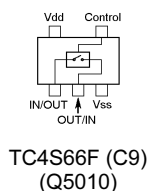
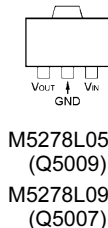
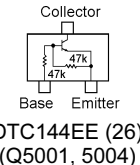
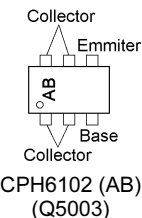
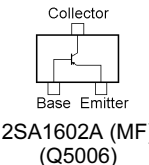
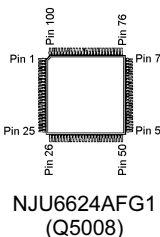
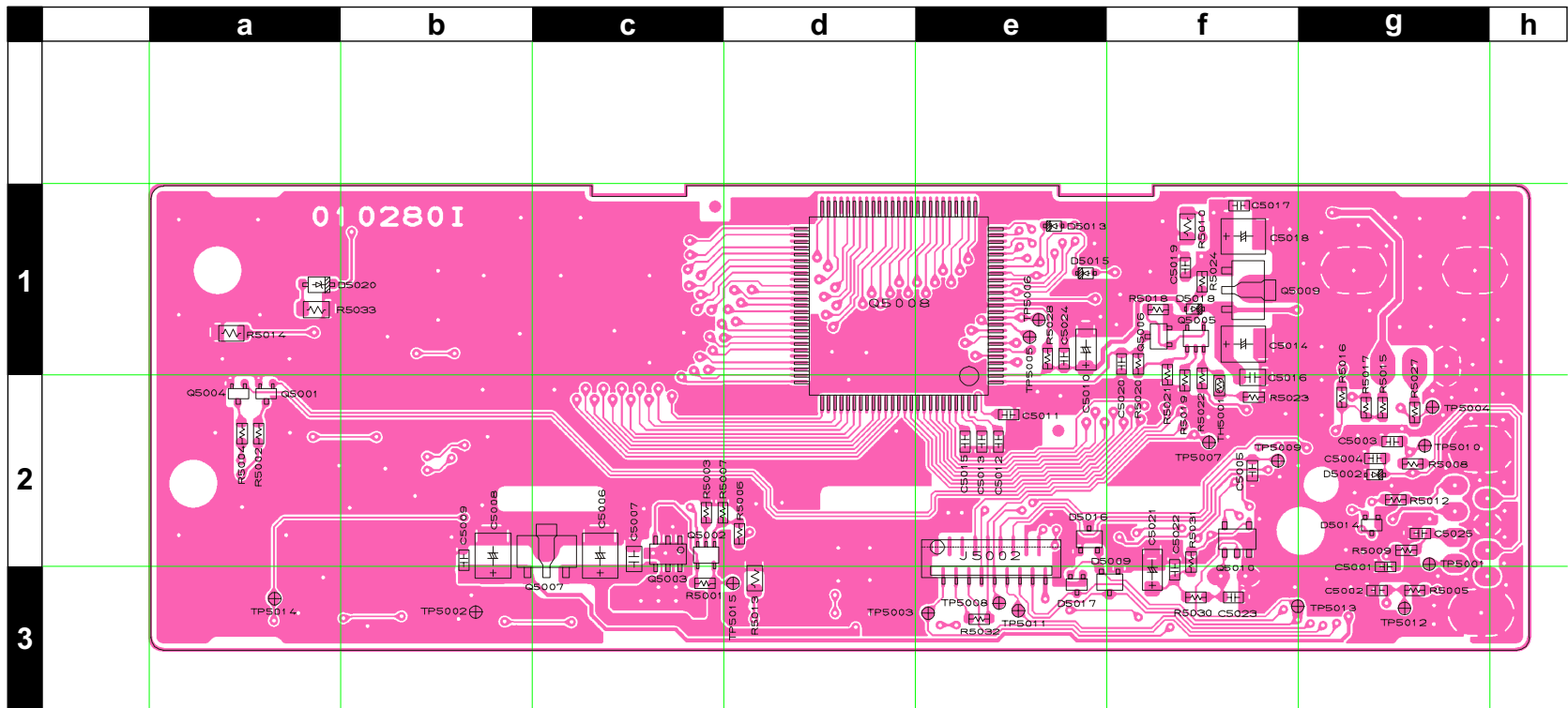


FRONT-D Unit (VX-4200: Lot. 6~)

Parts Layout (Side A)



Parts Layout (Side B)



FRONT-D Unit (VX-4200)

Parts List

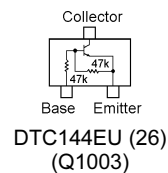
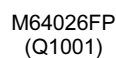
| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|-----------------------|--------------|---------|------|------|------------------|-----------|-----------|-----|------|---------|
| PCB with Components | | | | | | CB2530001 | | | | |
| Printed Circuit Board | | | | | | AAD25X000 | FR010280C | 1- | | |
| | | | | | | FR010280I | | 6- | | |
| C 5001 | CHIP CAP. | 100pF | 50V | CH | GRM39CH101J50PT | K22174235 | | 1- | B | g2 |
| C 5002 | CHIP CAP. | 100pF | 50V | CH | GRM39CH101J50PT | K22174235 | | 1- | B | g3 |
| C 5003 | CHIP CAP. | 100pF | 50V | CH | GRM39CH101J50PT | K22174235 | | 1- | B | g2 |
| C 5004 | CHIP CAP. | 100pF | 50V | CH | GRM39CH101J50PT | K22174235 | | 1- | B | g2 |
| C 5005 | CHIP CAP. | 100pF | 50V | CH | GRM39CH101J50PT | K22174235 | | 1- | B | g2 |
| C 5006 | CHIP TA.CAP. | 4.7uF | 25V | | TEMSVB21E475M-8R | K78140019 | | 1- | B | c2 |
| C 5007 | CHIP CAP. | 0.1uF | 25V | B | GRM40B104M25PT | K22140811 | | 1- | B | c2 |
| C 5008 | CHIP TA.CAP. | 10uF | 16V | | TEMSVB21C106M-8R | K78120025 | | 1- | B | b2 |
| C 5009 | CHIP CAP. | 0.1uF | 16V | B | GRM39B104K16PT | K22124805 | | 1- | B | b2 |
| C 5010 | CHIP TA.CAP. | 1uF | 16V | | TESVA1C105M1-8R | K78120009 | | 1- | B | e1 |
| C 5011 | CHIP CAP. | 0.1uF | 16V | B | GRM39B104K16PT | K22124805 | | 1- | B | e2 |
| C 5012 | CHIP CAP. | 0.1uF | 16V | B | GRM39B104K16PT | K22124805 | | 1- | B | e2 |
| C 5013 | CHIP CAP. | 0.1uF | 16V | B | GRM39B104K16PT | K22124805 | | 1- | B | e2 |
| C 5014 | CHIP TA.CAP. | 4.7uF | 25V | | TEMSVB21E475M-8R | K78140019 | | 1- | B | f1 |
| C 5015 | CHIP CAP. | 0.1uF | 16V | B | GRM39B104K16PT | K22124805 | | 1- | B | e2 |
| C 5016 | CHIP CAP. | 0.1uF | 25V | B | GRM40B104M25PT | K22140811 | | 1- | B | f2 |
| C 5017 | CHIP CAP. | 0.1uF | 16V | B | GRM39B104K16PT | K22124805 | | 1- | B | f1 |
| C 5018 | CHIP TA.CAP. | 10uF | 16V | | TEMSVB21C106M-8R | K78120025 | | 1- | B | f1 |
| C 5019 | CHIP CAP. | 0.01uF | 50V | B | GRM39B103M50PT | K22174823 | | 1- | B | f1 |
| C 5020 | CHIP CAP. | 0.1uF | 16V | B | GRM39B104K16PT | K22124805 | | 1- | B | f1 |
| C 5021 | CHIP TA.CAP. | 4.7uF | 6.3V | | TEMSVA0J475M-8R | K78080017 | | 1- | B | f2 |
| C 5022 | CHIP CAP. | 0.001uF | 50V | B | GRM39B102K50PT | K22174821 | | 1- | B | f3 |
| C 5023 | CHIP CAP. | 0.001uF | 50V | B | GRM39B102K50PT | K22174821 | | 1- | B | f2 |
| C 5024 | CHIP CAP. | 0.001uF | 50V | B | GRM39B102K50PT | K22174821 | | 6- | B | e1 |
| C 5025 | CHIP CAP. | 0.001uF | 50V | B | GRM39B102K50PT | K22174821 | | 1-5 | | |
| D 5001 | LED | | | | BRPG1211C-TR | G2070654 | | 1- | A | G2 |
| D 5002 | DIODE | | | | 1SS400 TE61 | G2070634 | | 1- | B | g2 |
| D 5003 | LED | | | | TLOU1008A(TAPE) | G2070958 | | 1- | A | B2 |
| D 5003 | LED | | | | TLOU1020(T14) | G2070990 | | 7- | A | B2 |
| D 5004 | LED | | | | TLOU1008A(TAPE) | G2070958 | | 1- | A | B1 |
| D 5004 | LED | | | | TLOU1020(T14) | G2070990 | | 7- | A | B1 |
| D 5005 | LED | | | | TLOU1008A(TAPE) | G2070958 | | 1- | A | B1 |
| D 5005 | LED | | | | TLOU1020(T14) | G2070990 | | 7- | A | B1 |
| D 5006 | LED | | | | TLOU1008A(TAPE) | G2070958 | | 1- | A | B2 |
| D 5006 | LED | | | | TLOU1020(T14) | G2070990 | | 7- | A | B2 |
| D 5007 | LED | | | | TLOU1008A(TAPE) | G2070958 | | 1- | A | C2 |
| D 5007 | LED | | | | TLOU1020(T14) | G2070990 | | 7- | A | C2 |
| D 5008 | LED | | | | TLOU1008A(TAPE) | G2070958 | | 1- | A | D2 |
| D 5008 | LED | | | | TLOU1020(T14) | G2070990 | | 7- | A | D2 |
| D 5009 | DIODE | | | | DA221 TL | G2070178 | | 1- | B | f2 |
| D 5009 | DIODE | | | | DA204U T106 | G2070242 | | 6- | B | f2 |
| D 5010 | LED | | | | TLOU1008A(TAPE) | G2070958 | | 1- | A | E2 |
| D 5010 | LED | | | | TLOU1020(T14) | G2070990 | | 7- | A | E2 |
| D 5011 | LED | | | | TLOU1008A(TAPE) | G2070958 | | 1- | A | F2 |
| D 5011 | LED | | | | TLOU1020(T14) | G2070990 | | 7- | A | F2 |
| D 5012 | LED | | | | TLOU1008A(TAPE) | G2070958 | | 1- | A | G1 |
| D 5012 | LED | | | | TLOU1020(T14) | G2070990 | | 7- | A | G1 |
| D 5013 | DIODE | | | | 1SS400 TE61 | G2070634 | | 1- | B | e1 |
| D 5014 | DIODE | | | | DA221 TL | G2070178 | | 1- | B | f2 |
| D 5015 | DIODE | | | | 1SS400 TE61 | G2070634 | | 1- | B | e1 |
| D 5016 | DIODE | | | | DA221 TL | G2070178 | | 1- | B | g2 |
| D 5016 | DIODE | | | | DA204U T106 | G2070242 | | 6- | B | g2 |
| D 5017 | DIODE | | | | DA221 TL | G2070178 | | 1- | B | f3 |
| D 5018 | DIODE | | | | 1SS400 TE61 | G2070634 | | 1- | B | f1 |
| D 5019 | LED | | | | TLOU1008A(TAPE) | G2070958 | | 6 | | |
| D 5019 | LED | | | | TLOU1020(T14) | G2070990 | | 7- | | |
| D 5020 | DIODE | | | | UDZS TE-17 4.3B | G2070874 | | 6- | | |
| DS5001 | LCD | | | | 064250 | G6090153 | | 1- | A | D1 |
| J 5001 | CONNECTOR | | | | R41-2509H | P1090714 | | 1- | A | A2 |
| J 5002 | CONNECTOR | | | | 18FLT-SM1-TB | P1091176 | | 1- | B | e2 |
| JP5001 | WIRE ASSY | | | | BRN 35 (2)/(2) | T51103502 | | 1-5 | | |
| MC5001 | MIC. ELEMENT | | | | EM-140 | M3290032 | | 1- | A | B3 |
| Q 5001 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | B | a2 |
| Q 5002 | TRANSISTOR | | | | XP1501-(TX) | G3070143 | | 1- | B | c2 |
| Q 5003 | TRANSISTOR | | | | CPH6102-TL | G3070223 | | 1- | B | c2 |
| Q 5004 | TRANSISTOR | | | | DTC144EE TL | G3070075 | | 1- | B | a2 |
| Q 5005 | TRANSISTOR | | | | XP1501-(TX) | G3070143 | | 1- | B | f1 |
| Q 5006 | TRANSISTOR | | | | 2SA1602A-T11-1F | G3116028F | | 1- | B | f1 |
| Q 5007 | IC | | | | M5278L09M 600C | G1093102 | | 1- | B | c2 |
| Q 5008 | IC | | | | NJU6624AFG1-03 | G1093881 | | 1- | B | d1 |

FRONT-D Unit (VX-4200)

Parts List

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-----------------|-------|-------|------|-----------------|-----------|-------|-----|------|---------|
| Q 5009 | IC | | | | M5278L05M 600C | G1093101 | | 1- | B | f1 |
| Q 5010 | IC | | | | TC4S66F TE85R | G1090893 | | 1- | B | f2 |
| R 5001 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16 222JATP | J24185222 | | 1- | B | c3 |
| R 5002 | CHIP RES. | 820 | 1/16W | 5% | RMC1/16 821JATP | J24185821 | | 1- | B | a2 |
| R 5003 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16 102JATP | J24185102 | | 1- | B | c2 |
| R 5004 | CHIP RES. | 220 | 1/16W | 5% | RMC1/16 221JATP | J24185221 | | 1- | B | a2 |
| R 5004 | CHIP RES. | 470 | 1/16W | 5% | RMC1/16 471JATP | J24185471 | | 6- | B | a2 |
| R 5005 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16 102JATP | J24185102 | | 1- | B | g3 |
| R 5006 | CHIP RES. | 3.3k | 1/16W | 5% | RMC1/16 332JATP | J24185332 | | 1- | B | d2 |
| R 5007 | CHIP RES. | 3.3k | 1/16W | 5% | RMC1/16 332JATP | J24185332 | | 1- | B | c2 |
| R 5008 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16 102JATP | J24185102 | | 1- | B | g2 |
| R 5009 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16 102JATP | J24185102 | | 1- | B | g2 |
| R 5010 | CHIP RES. | 270 | 1/10W | 5% | RMC1/10T 271J | J24205271 | | 1- | B | f1 |
| R 5012 | CHIP RES. | 1k | 1/16W | 5% | RMC1/16 102JATP | J24185102 | | 1- | B | g2 |
| R 5013 | CHIP RES. | 270 | 1/10W | 5% | RMC1/10T 271J | J24205271 | | 1- | B | d2 |
| R 5013 | CHIP RES. | 560 | 1/10W | 5% | RMC1/10T 561J | J24205561 | | 6- | B | d2 |
| R 5014 | CHIP RES. | 270 | 1/10W | 5% | RMC1/10T 271J | J24205271 | | 1- | B | a1 |
| R 5014 | CHIP RES. | 560 | 1/10W | 5% | RMC1/10T 561J | J24205561 | | 6- | B | a1 |
| R 5015 | CHIP RES. | 82k | 1/16W | 5% | RMC1/16 823JATP | J24185823 | | 1- | B | g2 |
| R 5016 | CHIP RES. | 220k | 1/16W | 5% | RMC1/16 224JATP | J24185224 | | 1- | B | g2 |
| R 5017 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16 104JATP | J24185104 | | 1- | B | g2 |
| R 5017 | CHIP RES. | 120k | 1/16W | 5% | RMC1/16 124JATP | J24185124 | | 6- | B | g2 |
| R 5018 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16 223JATP | J24185223 | | 1- | B | f1 |
| R 5019 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16 103JATP | J24185103 | | 1- | B | f2 |
| R 5020 | CHIP RES. | 12k | 1/16W | 5% | RMC1/16 123JATP | J24185123 | | 1- | B | f1 |
| R 5021 | CHIP RES. | 39k | 1/16W | 5% | RMC1/16 393JATP | J24185393 | | 1- | B | f1 |
| R 5022 | CHIP RES. | 5.6k | 1/16W | 5% | RMC1/16 562JATP | J24185562 | | 1- | B | f2 |
| R 5023 | CHIP RES. | 6.8k | 1/16W | 5% | RMC1/16 682JATP | J24185682 | | 1- | B | f2 |
| R 5024 | CHIP RES. | 470 | 1/16W | 5% | RMC1/16 471JATP | J24185471 | | 1- | B | f1 |
| R 5027 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16 222JATP | J24185222 | | 1- | B | g2 |
| R 5028 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16 473JATP | J24185473 | | 1- | B | e1 |
| R 5030 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16 103JATP | J24185103 | | 1- | B | f2 |
| R 5031 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16 222JATP | J24185222 | | 1- | B | f2 |
| R 5032 | CHIP RES. | 4.7k | 1/16W | 5% | RMC1/16 472JATP | J24185472 | | 1- | B | e2 |
| R 5033 | CHIP RES. | 470 | 1/10W | 5% | RMC1/10T 471J | J24205471 | | 6- | | |
| TH5001 | THERMISTOR | | | | ERTJ1VV473J | G9090122 | | 1- | B | f2 |
| VR5001 | POT. | | | | RK09L1140 20KA | J60800265 | | 1- | A | A1 |
| | LCD HOLDER | | | | (LCD) | RA0487400 | | 1- | | |
| | LIGHT GUIDE | | | | | RA0487500 | | 1- | | |
| | REFLECTOR SHEET | | | | | RA0487600 | | 1- | | |
| | DIFFUSER SHEET | | | | | RA0487700 | | 1- | | |
| | INTER CONNECTOR | | | | | RA048780A | | 1- | | |
| | SPONGE RUBBER | | | | (WND) | RA0487900 | | 1- | | |
| | LIGHT GUIDE | | | | (¼A) | RA0514300 | | 1- | | |

Circuit Diagram



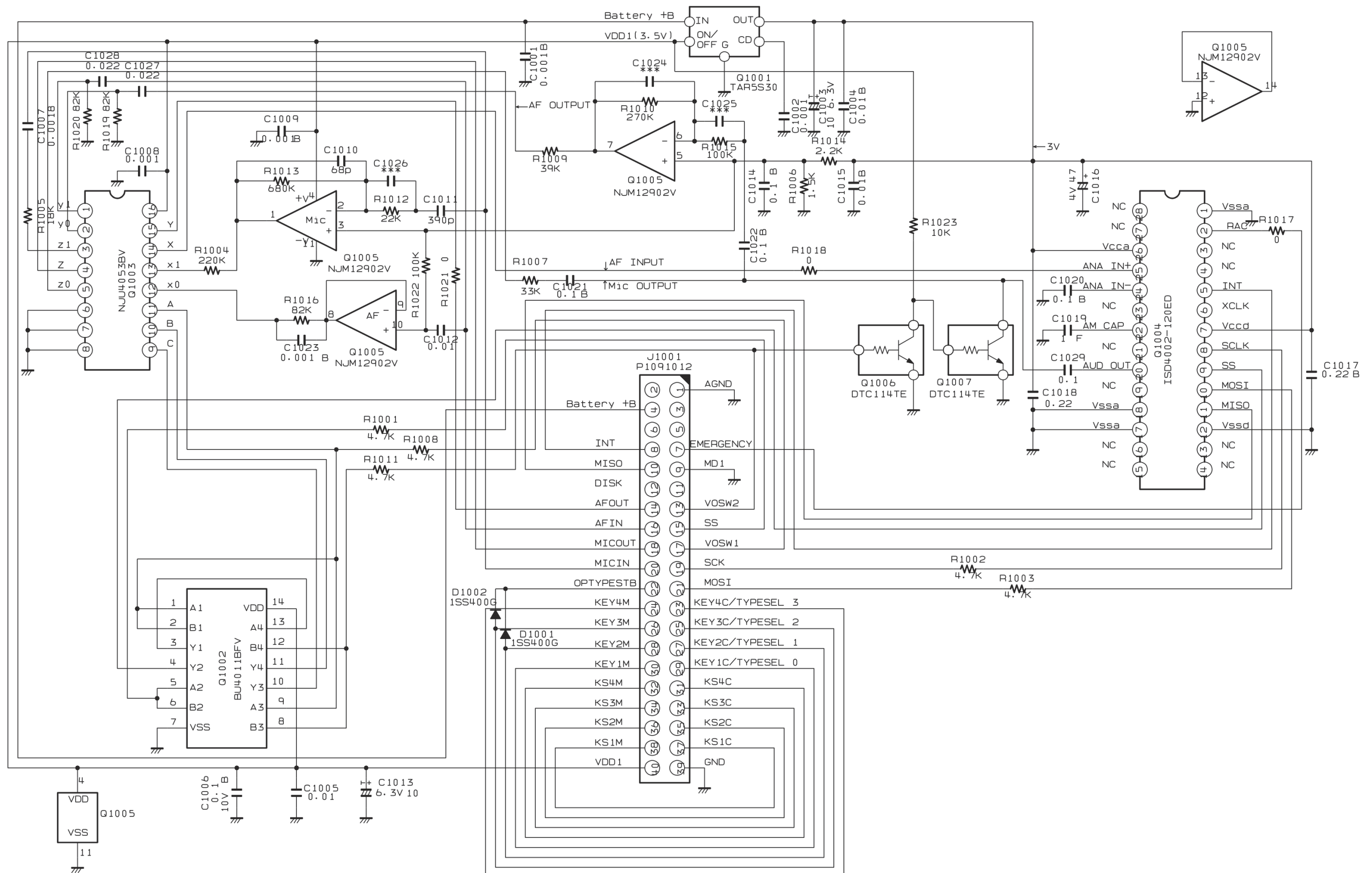
FVP-25 Encryption/DTMF Pager Unit (Option)

Parts List

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-----------------------|-------------|-------|------|-----------------|-----------|-------|-----|------|---------|
| | Printed Circuit Board | | | | AAA27X000 | FR005100F | | | | |
| C 1001 | CHIP CAP. | 0.1uF | 16V | B | GRM39B104K16PT | K22124805 | | | | |
| C 1002 | CHIP CAP. | 0.01uF | 25V | B | GRM39B103M25PT | K22144802 | | | | |
| C 1003 | CHIP CAP. | 10pF | 50V | CH | GRM39CH100D50PT | K22174211 | | | | |
| C 1004 | CHIP CAP. | 10pF | 50V | CH | GRM39CH100D50PT | K22174211 | | | | |
| C 1005 | CHIP CAP. | 0.1uF | 16V | B | GRM39B104K16PT | K22124805 | | | | |
| C 1007 | CHIP CAP. | 0.01uF | 25V | B | GRM39B103M25PT | K22144802 | | | | |
| C 1008 | CHIP CAP. | 0.1uF | 16V | B | GRM39B104K16PT | K22124805 | | | | |
| C 1009 | CHIP CAP. | 68pF | 50V | CH | GRM39CH680J50PT | K22174231 | | | | |
| C 1010 | CHIP CAP. | 390pF | 50V | CH | GRM39CH391J50PT | K22174255 | | | | |
| C 1011 | CHIP CAP. | 0.001uF | 50V | B | GRM39B102K50PT | K22174821 | | | | |
| C 1012 | CHIP TA.CAP. | 4.7uF | 6.3V | | TEMSVA0J475M-8R | K78080017 | | | | |
| C 1013 | CHIP CAP. | 0.022uF | 25V | B | GRM39B223K25PT | K22144807 | | | | |
| C 1014 | CHIP CAP. | 0.1uF | 16V | B | GRM39B104K16PT | K22124805 | | | | |
| D 1001 | DIODE | | | | 1SS355 TE-17 | G2070470 | | | | |
| D 1002 | DIODE | | | | 1SS355 TE-17 | G2070470 | | | | |
| J 1001 | CONNECTOR | | | | AXK5S40035P | P1091012 | | | | |
| Q 1001 | IC | | | | M64026FP-650C | G1092754 | | | | |
| Q 1002 | IC | | | | LC73881M-TLM | G1092755 | | | | |
| R 1001 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16 473JATP | J24185473 | | | | |
| R 1002 | CHIP RES. | 1M | 1/16W | 5% | RMC1/16 105JATP | J24185105 | | | | |
| R 1003 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16 223JATP | J24185223 | | | | |
| R 1004 | CHIP RES. | 680k | 1/16W | 5% | RMC1/16 684JATP | J24185684 | | | | |
| R 1006 | CHIP RES. | 150k | 1/16W | 5% | RMC1/16 154JATP | J24185154 | | | | |
| R 1007 | CHIP RES. | 47k | 1/16W | 5% | RMC1/16 473JATP | J24185473 | | | | |
| R 1008 | CHIP RES. | 22k | 1/16W | 5% | RMC1/16 223JATP | J24185223 | | | | |
| X 1001 | XTAL SX-1315 | 3.6263MHz | | | 3.6263MHZ | H0103183 | | | | |
| X 1002 | XTAL SX-1315 | 4.194304MHz | | | 4.194304MHZ | H0103184 | | | | |

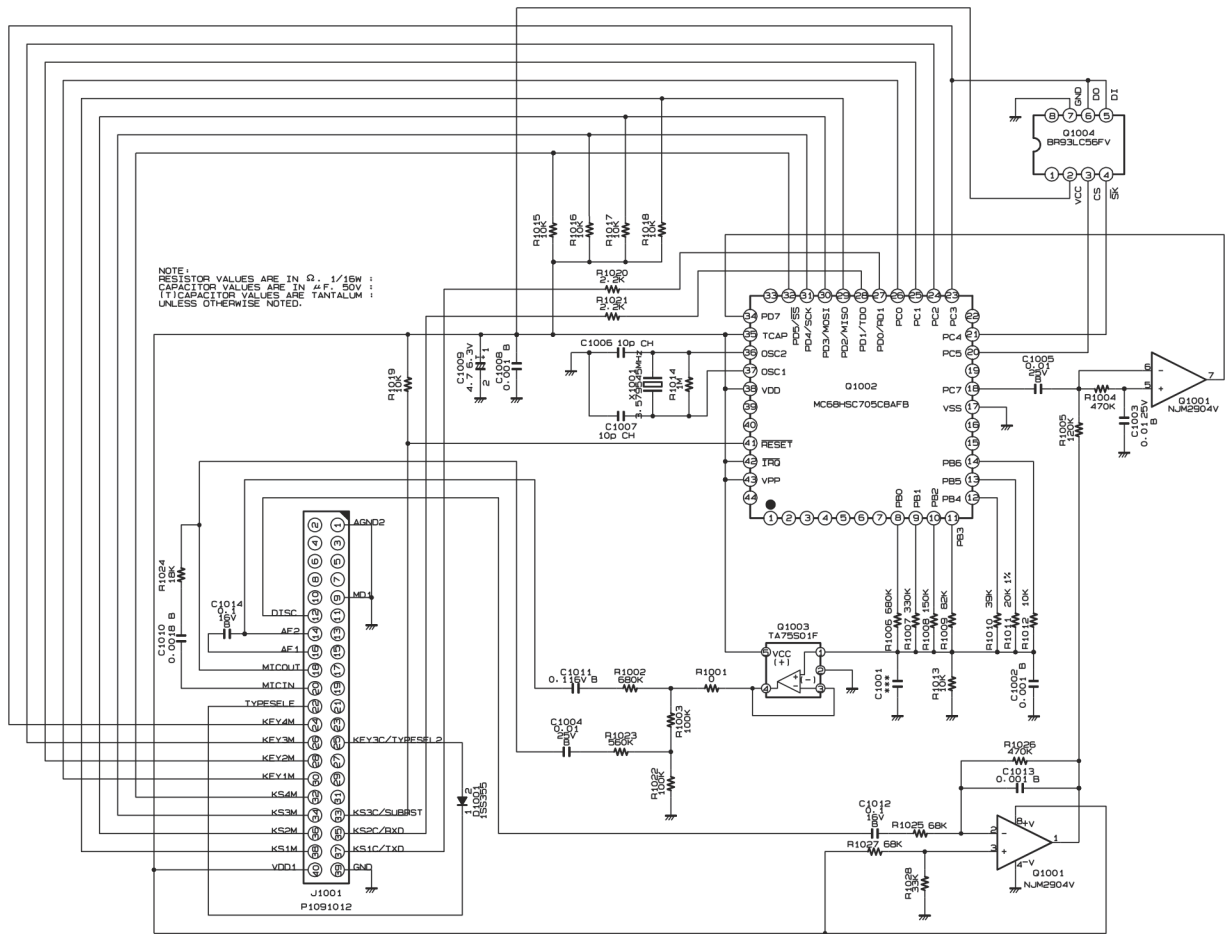
DVS-5 Voice Storage Unit (Option)

Circuit Diagram

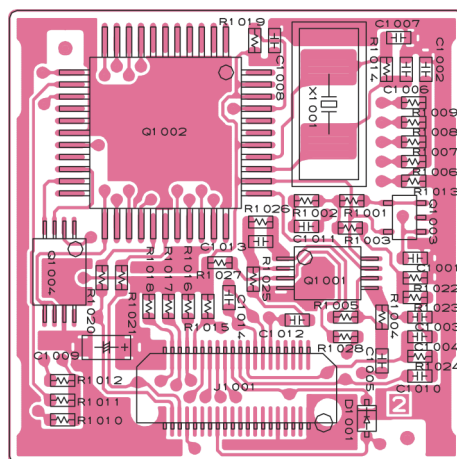


Circuit Diagram

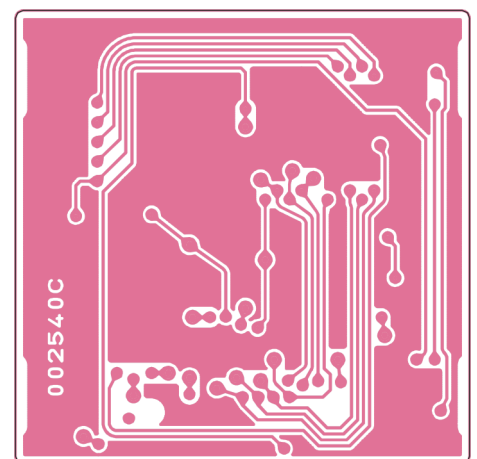
VX-TRUNK-UNIT BR002540C



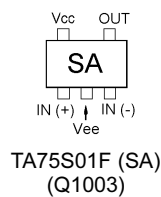
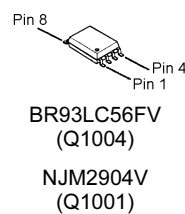
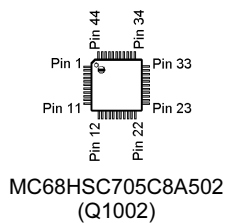
Parts Layout



Side A



Side B



VTP-50 VX-Trunk Unit (Option)

Parts List

| REF | DESCRIPTION | VALUE | V/W | TOL. | MFR'S DESIG | VXSTD P/N | VERS. | LOT | SIDE | LAY ADR |
|--------|-----------------------|-------------|-------|------|---------------------------|-----------|-------|-----|------|---------|
| | Printed Circuit Board | | | | A12780000 | FR002680C | | | | |
| C 1002 | CHIP CAP. | 0.001uF | 50V | B | GRM39B102K50PT | K22174821 | | | | |
| C 1003 | CHIP CAP. | 0.01uF | 25V | B | GRM39B103K25PT | K22144803 | | | | |
| C 1004 | CHIP CAP. | 0.01uF | 25V | B | GRM39B103K25PT | K22144803 | | | | |
| C 1005 | CHIP CAP. | 0.01uF | 25V | B | GRM39B103K25PT | K22144803 | | | | |
| C 1006 | CHIP CAP. | 10pF | 50V | CH | GRM39CH100C50PT | K22174248 | | | | |
| C 1007 | CHIP CAP. | 10pF | 50V | CH | GRM39CH100C50PT | K22174248 | | | | |
| C 1008 | CHIP CAP. | 0.001uF | 50V | B | GRM39B102K50PT | K22174821 | | | | |
| C 1009 | CHIP TA.CAP. | 4.7uF | 6.3V | | TEMSVA0J475M-8R | K78080017 | | | | |
| C 1010 | CHIP CAP. | 0.0018uF | 50V | B | GRM39B182M50PT | K22174812 | | | | |
| C 1011 | CHIP CAP. | 0.1uF | 16V | B | GRM39B104K16PT | K22124805 | | | | |
| C 1012 | CHIP CAP. | 0.1uF | 16V | B | GRM39B104K16PT | K22124805 | | | | |
| C 1013 | CHIP CAP. | 0.001uF | 50V | B | GRM39B102K50PT | K22174821 | | | | |
| C 1014 | CHIP CAP. | 0.1uF | 16V | B | GRM39B104K16PT | K22124805 | | | | |
| D 1001 | DIODE | | | | 1SS355 TE-17 | G2070470 | | | | |
| J 1001 | CONNECTOR | | | | AXK5S40035P | P1091012 | | | | |
| Q 1001 | IC | | | | NJM2904V-TE1 | G1091677 | | | | |
| Q 1002 | IC | | | | MC68HSC705C8A502-6030 131 | G1093326 | | | | |
| Q 1003 | IC | | | | TA75S01F TE85R | G1091593 | | | | |
| Q 1004 | IC | | | | BR93L56FV-WE2 | G1093883 | | | | |
| R 1001 | CHIP RES. | 0 | 1/16W | 5% | RMC1/16 000JATP | J24185000 | | | | |
| R 1002 | CHIP RES. | 680k | 1/16W | 5% | RMC1/16 684JATP | J24185684 | | | | |
| R 1003 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16 104JATP | J24185104 | | | | |
| R 1004 | CHIP RES. | 470k | 1/16W | 5% | RMC1/16 474JATP | J24185474 | | | | |
| R 1005 | CHIP RES. | 120k | 1/16W | 5% | RMC1/16 124JATP | J24185124 | | | | |
| R 1006 | CHIP RES. | 680k | 1/16W | 5% | RMC1/16 684JATP | J24185684 | | | | |
| R 1007 | CHIP RES. | 330k | 1/16W | 5% | RMC1/16 334JATP | J24185334 | | | | |
| R 1008 | CHIP RES. | 150k | 1/16W | 5% | RMC1/16 154JATP | J24185154 | | | | |
| R 1009 | CHIP RES. | 82k | 1/16W | 5% | RMC1/16 823JATP | J24185823 | | | | |
| R 1010 | CHIP RES. | 39k | 1/16W | 5% | RMC1/16 393JATP | J24185393 | | | | |
| R 1011 | CHIP RES. | 20k | 1/16W | 1% | RMC1/16 203FTP | J24183203 | | | | |
| R 1012 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16 103JATP | J24185103 | | | | |
| R 1013 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16 103JATP | J24185103 | | | | |
| R 1014 | CHIP RES. | 1M | 1/16W | 5% | RMC1/16 105JATP | J24185105 | | | | |
| R 1015 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16 103JATP | J24185103 | | | | |
| R 1016 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16 103JATP | J24185103 | | | | |
| R 1017 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16 103JATP | J24185103 | | | | |
| R 1018 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16 103JATP | J24185103 | | | | |
| R 1019 | CHIP RES. | 10k | 1/16W | 5% | RMC1/16 103JATP | J24185103 | | | | |
| R 1020 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16 222JATP | J24185222 | | | | |
| R 1021 | CHIP RES. | 2.2k | 1/16W | 5% | RMC1/16 222JATP | J24185222 | | | | |
| R 1022 | CHIP RES. | 100k | 1/16W | 5% | RMC1/16 104JATP | J24185104 | | | | |
| R 1023 | CHIP RES. | 560k | 1/16W | 5% | RMC1/16 564JATP | J24185564 | | | | |
| R 1024 | CHIP RES. | 18k | 1/16W | 5% | RMC1/16 183JATP | J24185183 | | | | |
| R 1025 | CHIP RES. | 68k | 1/16W | 5% | RMC1/16 683JATP | J24185683 | | | | |
| R 1026 | CHIP RES. | 470k | 1/16W | 5% | RMC1/16 474JATP | J24185474 | | | | |
| R 1027 | CHIP RES. | 68k | 1/16W | 5% | RMC1/16 683JATP | J24185683 | | | | |
| R 1028 | CHIP RES. | 33k | 1/16W | 5% | RMC1/16 333JATP | J24185333 | | | | |
| X 1001 | XTAL SX-1315 | 3.579545MHZ | | | 3.579545MHZ | H0103185 | | | | |



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